REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	1996	Final Report

4. TITLE AND SUBTITLE

Seismic Structure of the Caspian Basin and Surrounding Region

5. FUNDING NUMBERS

F6170894W0792

6. AUTHOR(S)

Michail Rozhkov

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

Synapse Science Center
Ostozhenka 13/12, build. 1A,B
Moscow 119034, Russia

8. PERFORMING ORGANIZATION REPORT NUMBER

N/A

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

EOARD
PSC 802 BOX 14
FPO 09499-0200

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

SPC 94-4082

11. SUPPLEMENTARY NOTES

12a. DISTRIBUTION/AVAILABILITY STATEMENT

Approved for public release; distribution is unlimited.

12b. DISTRIBUTION CODE

A

13. ABSTRACT (Maximum 200 words)

The crust and upper mantle structure of the south Caspian Basin and Turkmenian Lowlands is enigmatic. From Soviet deep seismic sounding data collected in the 1960's, the crust appears to consist of two layers: a thick sedimentary section (15-25 km) with a low P-wave velocity (3.5-4.0 km/s) overlying a 12-18 km thick basaltic lower crust. It has been suggested that this basaltic lower crust is "oceanic-like" crust and that the south Caspian Basin represents a section of relic ocean from a Paleozoic- Triassic ocean or a Mesozoic - Paleogene marginal sea. Improved knowledge of the crust and upper mantle velocity structure of the south Caspian Basin is important in a seismic verification context because of the anomalous effect it has on regional seismic waveforms. To investigate the crust and upper mantle structure of the south Caspian Basin, we have installed six three-component seismograph stations within the former Soviet Republics of Turkemenia and Azerbaijan. Our objective is to determine the velocity structure of this region using both body wave receiver function and surface wave modeling techniques. We present receiver function inversion results for four sites and fundamental mode Rayleigh wave observations for two great circle paths across this region.

14. SUBJECT TERMS	15. NUMBER OF PAGES
South Caspian Basin, crust and upper mantle structure, receiver functions, surface wave dispersion	87
	16. PRICE CODE N/A

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED	UL

Special Report

SEISMIC STRUCTURE OF THE CASPIAN BASIN AND SURROUNDING REGION.

REF: SPC 94-4082

SYNAPSE Science Center

Ostozhenka 13/12, build.1A,B, Moscow 119034, RUSSIA
tel.(095) 201.2516, FAX (095) 956-3033
Internet: http://www.synapse.ru
E-mail: mike@synapse.ru, rozhkov@iris.washington.edu

Project Coordinator: Dr. Mikhail Rozhkov

Moscow, 1996

1. SUMMARY

The crust and upper mantle structure of the south Caspian Basin and the Turkmenian Lowlands is enigmatic. From Soviet deep seismic sounding data collected in the 1960s, the crust appears to consist of two layers: a thick sedimentary section (15--25 km) with a low P-wave velocity (3.5-4.0 km/s) overlying a 12-18 km thick basaltic lower crust. It has been suggested that this basaltic lower crust is "oceanic-like" crust and that the south Caspian Basin represents a section of relic ocean from a Paleozoic - Triassic ocean or a Mesozoic - Paleogene marginal sea. Improved knowledge of the crust and upper mantle velocity structure of the south Caspian Basin is important in a seismic verification context because of the anomalous effect it has on regional seismic waveforms. To investigate the crust and upper mantle structure of the south Caspian Basin, we have installed six three--component seismograph stations within the former Soviet Republics of Turkmenia and Azerbaijan. Our objective is to determine the velocity structure of this region using both body wave receiver function and surface wave modeling techniques. We present receiver function inversion results for four sites and fundamental mode Rayleigh wave observations for two great circle paths across this region.

Key Words: South Caspian Basin, crust and upper mantle structure, receiver functions, surface wave dispersion.

2. INTRODUCTION

The south Caspian Basin and the Turkmenian Lowlands form an anomalous aseismic depression that is bounded to the north by the Apsheron-Balkhan Sill, a narrow seismogenic zone extending from the Caucasus Mountains in Azerbaijan to the Kopet Dagh Mountains of Turkmenia; and to the west in Azerbaijan and to the south along the Iranian border by the active fold and thrust belts of the Talesh and Alborz Mountains, respectively. The northward movement of the Iranian plate with respect to the Eurasian plate is causing compressional deformation throughout the Caspian region (Jackson and McKenzie, 1984). Mechanisms of earthquakes occurring within the bounding seismic belts of the south Caspian Basin suggest that the crust of the south Caspian Basin is being overriden by the continental crust of the Iranian plateau in the south, and to a lesser extent, by the northern Caspian continental crust (Priestley et al, 1994).

The crust and upper mantle velocity structure of the south Caspian Basin is poorly known. Deep seismic sounding data collected in the early 1960s suggest that the crust of the south Caspian Basin and west Turkmenian Lowlands consists of two layers: a thick sedimentary layer (15-20 km) with a P-wave velocity of 3.5-4.0 km/s which overlies a 12-18 km thick ``basaltic" layer with a P-wave velocity of 6.6-7.0 km/s (Neprochnov 1968; Rezanov and Chamo, 1969). It has been suggested that the south Caspian Basin represents a section of ``ocean-like" crust that may be either a relic of an older Paleozoic-Triassic ocean or a marginal sea which developed behind a Mesozoic-Paleogene ocean (Berberian and King 1981; Berberian 1983). The south Caspian Basin strongly affects the propagation of regional seismic waves. For example, the seismic phase Lg is blocked for paths crossing the south Caspian Basin (Kadinsky-Cade et al, 1981). This has important ramifications for seismic monitoring in the Middle East.

To develop better velocity models for the crust and upper mantle for the south Caspian Basin and the surrounding region, we have installed and operated a network of digital three-component seismic stations in Turkmenia and Azerbaijan. In this report we present our results on a seismic structure of the Caspian Basin from:

- the seismic events location (local, regional and teleseismic) and its distribution over the region to analyse the network capability;
- the analysis of teleseismic P-wave: (1) travel time residuals, (2) P-wave azimuthal anomalies, and (3) velocity models of the crust and upper mantle from the analysis of receiver functions. We also discuss observations of fundamental mode Rayleigh waves for two great circle paths across this region.

3. THE CASPIAN SEISMOGRAPH NETWORK (CSN).

To better understand the crust and upper mantle structure in the south Caspian region and its effect on regional seismic wave propagation, we have installed a network of three-component broadband digital seismographs around the south Caspian Sea in Turkmenia and Azerbaijan (Fig. 1). Not all stations have operated simultaneously. Five stations (BAK, KAT, KRV, LNK, and NBD) were installed in June, 1993. DTA was installed in December, 1993. BAK was found to be extremely noisy and was moved to SHE in June 1994. The highly unstable political climate in Azerbaijan due

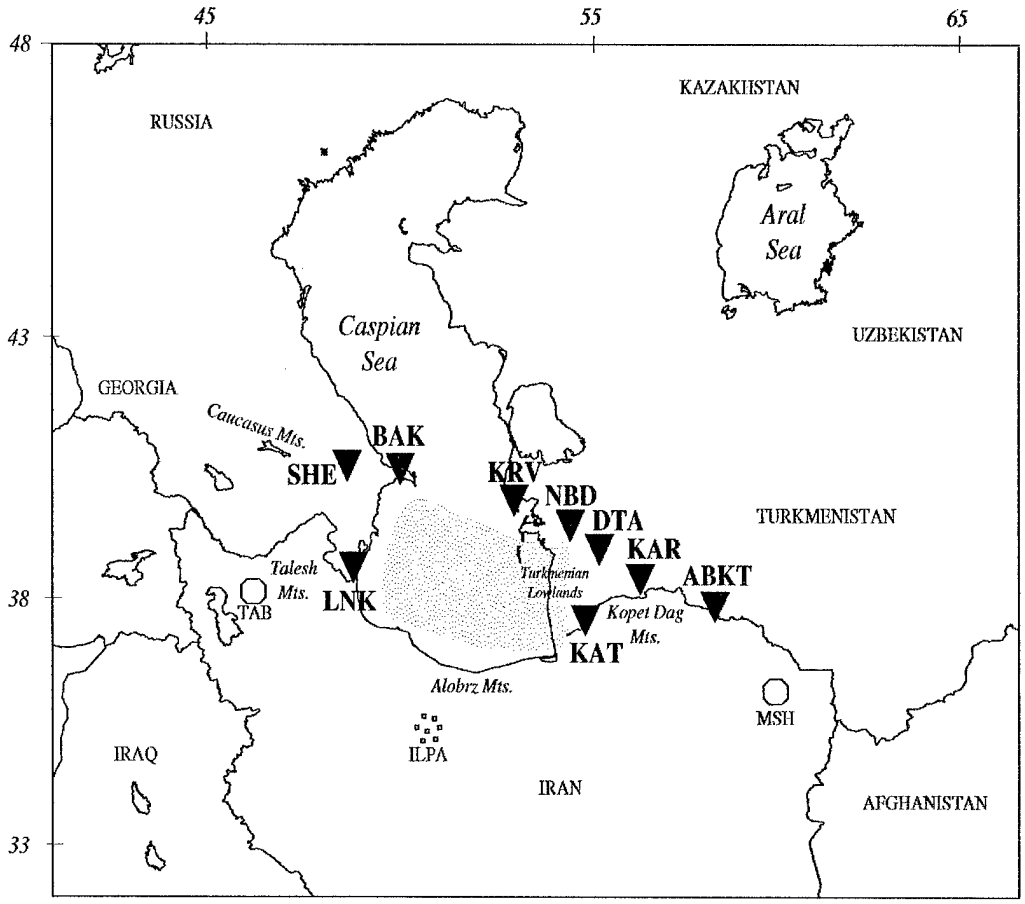


Figure 1. Map of the Caspian Sea and surrounding regions. Caspian Seismograph Network stations are located in Turkmenistan near Krasnovosdk (KRV), Nebit Dag (NBD), Kizyl Atrek (KAT), Dana Tag (DTA), Kala Kara (KAR), and in Azerbaijan near Lenkoran (LNK), Baku (BAK) and Shemaha (SHE). Also shown are WWSSN stations Tabriz (TAB) and Mashad (MSH), the Iranian Long Period Array (ILPA) and IRIS station Alibek (ABKT). The shaded region denotes the subsurface lateral extent of the suspected "oceanic" crust.

to war with Armenia coupled with the nearby fighting in Groznyy forced us to remove stations LNK and SHE in February, 1995. In June 1995 a new station was installed at KAR using the instruments previously deployed at LNK. Also shown in Figure 1 is the station ABKT which was installed in May, 1993 by the Incorporated Research Institutions for Seismology (IRIS).

Each of the Caspian Seismograph Network stations we operate consists of Refraction Technology (RefTek) 72a-02 16-bit data loggers with external hard disk drives and either Omega or GPS time code receivers. Stations DTA, KAR, KAT, KRV, and LNK have Guralp CMG-3T three-component broadband seismometers and stations BAK, NBD, and SHE have three-component Teledyne Geotech SL210/220 long period (15 sec free period) seismometers. Each seismograph was installed at a permanent seismograph site of either the Scientific and Information Bureu of the Turkmenian Academy of Sciences (Sibis AST) or ``Geoseism" (the equivalent Azerbaijan organization). The stations are permanently occupied by a station-keeper and family, which therefore contribute to the amount of noise generated at each site. All seismometers are installed on cement piers within vaults that are located either within a sub-basement or within a surface vault adjacent to the station keeper's house. To correct for seismometer drift we designed and installed a clock activated re-centering unit for each of the CMG-3T seismometers. This device issues a centering command to the CMG-3T at weekly intervals. The LP seismometers are manually re-centered by the station keeper. All stations record data continuously at 10 samples/sec. In addition, some stations have had a triggered data stream at 50 samples/sec. Every two months each stations' data is transferred from disk to either Exabyte or DAT tape and returned to the SYNAPSE Science Center / IRIS Moscow Data Center (SYNAPSE). At SYNAPSE an inspection of data quality and data processing is conducted and duplicate copies are made. The raw data files are then sent to the University of Cambridge, arriving between 3-6 months after initial collection. The IRIS station ABKT is equipped with Streckeisen STS-1 seismometers, a 24-bit Quantera digitizer, and a GPS clock. Data for ABKT is obtained from the IRIS Data Management Center in Seattle, Washington. SYNAPSE has a dedicated 4-wire leased line to Sibis AST, collecting data from ABKT in real time, as well as from the analogue Turkmenian seismic stations in timely manner. Having TCP/IP protocol connection helped to operate the network from SYNAPSE; also, Turkmenian results were took into account during CSN data processing.

We calibrate each station with a step function during each visit. More complete calibrations using a pseudo-random binary input and a sinusodial input are made on an annual basis. Analysis of the step calibrations indicate that the sensor characteristics have not deviated significantly during the deployment. Figure 2 shows the frequency response curves for the CMG-3T, the SL210/220, and STS-1 seismometers.

4. DATA PROCESSING.

4.1. EVENT LOCATION AND ESTIMATION OF THE CONFIGURED NETWORK CAPABILITY.

4.1.1. Initial materials and instruments.

The data files of RefTek format containing continuous digital records of 3-D signals from broadband seismometers for the time period from 21.08.94 to 30.09.95 were used as an initial material of primary data processing from stations of the CSN.

The main instrument of data processing was a standard package PQL (PASSCAL Quick Look 2.0, Rev 93.293, written by Richard Boaz, Version 2.0 by Sid Hellman at the PASSCAL (the Program of Array Seismic Studies of the Continental Lithosphere) Instrument Center Lamont-Doherty Earth Observatory).

4.1.2. Data collection for statistical quality estimates of seismic waves propagation from various sources to the stations of the network.

4.1.2.1. Statement of a problem.

The quality estimate of seismic waves propagation from the sources of various intensity, from different azimuths and from various epicentral distances allow to make some general conclusions about character of geophysical medium structure directly in a region of a network stations.

As an indirect confirmation of this assumption it is possible to make a conclusion formed from the world experience of seismic observations that the knowledge of the medium characteristics directly in a region of the seismometer installation exert an essential influence on increase of accuracy of seismic event location of a signal record.

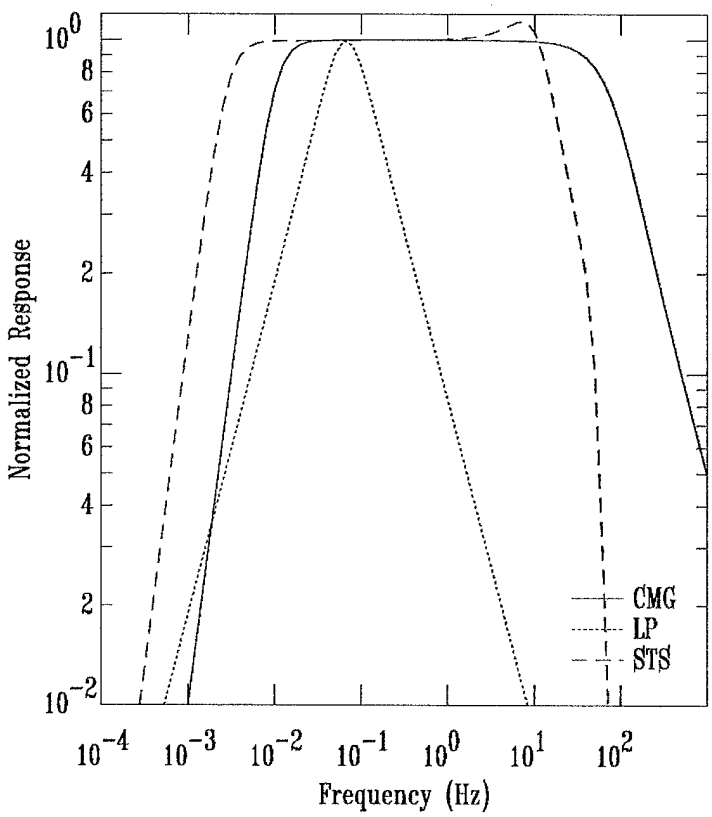


Figure 2. Instrument response characteristics for the CMG-3T, LP and STS-1 seismometers.

More over, one of decisive conditions of reliability of such conclusions is a sufficient volume of statistics of observation as well as the objectivity level of criterion of quality of seismic waves propagation.

Proceeding from the statement of the problem it was offered to estimate a conditional transfer of maximum amplitudes of seismic fluctuations from the source to the seismometer. There are some conditions for realization of such estimates, on the one hand, these are known characteristics of a source of seismic fluctuations, and on the other, it is a possibility to estimate a quality of a signal record from this source.

Since the problem was formulated with reference to a region of installation of a network stations, so for its decision it was offered to estimate the correlation of calculated maximum amplitude of the ground displacement reduced to an installation place of seismometer with displacement observed at the station.

However from experience of practical data processing it was possible to conclude that different noise levels of seismic signals records depending on conditions of seismometer installation at network stations, as well as the distinctions in the forms of signals record from various seismic sources do not allow to make reliable absolute estimates of value of displacement amplitudes.

Taking into account these circumstances it was considered expedient to use qualitative estimates for the observed values.

4.1.2.2. Procedure of data processing.

The main contents of a procedure of data processing was made by the process of association of seismic events contained in records of network stations with events registered by the global seismic networks and put into the appropriate catalogues.

For realization of a chosen technique we used data from the catalogues of the IRIS global seismic network and also of network developed within the framework of the international experiment GSETT-3. The application of mentioned data was carried out by means of Internet.

The special software was developed and applied for work with the catalogues of seismic events and for creation of working files which would contain the information necessary for data processing. Each line of mentioned working files contained data on one seismic event in the following order:

- absolute origin time;

- geographical coordinates of the source;
- origin depth;
- magnitude value;
- epicentral distance from a source for the nearest network station;
- calculated maximum amplitude of displacement for the network station nearest to a source;
- field to put down the resulting value of record quality;
- calculated absolute times of arrival of the first longitudinal waves on each network station, calculated on the basis of catalogue data about a source and with use of theoretical travel-time curve of Jeffreys-Bullen.

Detection of calculated maximum amplitude of ground displacement in a place of installation of the station seismometer were realized taking into account the following positions, taken from [9].

As it is known the relative energy characteristic of an earthquake, or the magnitude, represents the logarithm of maximum displacement for waves of various types calculated on from some conditional level. At processing of seismic stations records it is usual to determine the magnitude of earthquakes under the formula

$$M = lg\left(\frac{A}{T}\right)_{max} + \sigma(\Delta, h)$$

where A - is a maximum amplitude of ground displacement in micrometers, T - is the appropriate period in seconds, $\sigma(\Delta,h)$ - is calibration function, expressing the change of value $lg(A/T)_{max}$ with epicentral distance and source size. Considering that sufficiently characteristic value of a period for seismic waves is 1 s and also taking into account the accuracy of empirical dependences for determination of magnitudes, for determination of absolute values of the ground displacement it is possible to use the following dependence:

$$A_{max} = 10^{M-\sigma(\Delta,h)}$$

For more obviousness of deduced criterion in practice of processing calculated maximum amplitude was expressed in nanometres.

Proceeding from available experience of data processing as well as considering accuracy of determination calculated amplitude only those events were chosen from the catalogues for which the calculated maximum amplitude exceeded 2,0 nì.

The table of values of calibration function $\sigma(\Delta,h)$ for various epicentral distances and origin depths was received on the basis of the data, contained in [9].

Quality estimate of record was realized on following criteria:

A - the amplitude of a signal on record considerably exceeds a noise level (S/N>10). First arrivals of seismic waves can be determined without application of additional means (filtering and etc.).

B - the amplitude of a signal exceeds a noise level(3<S/N<10), however for sure allocation of moments of the introduction of seismic waves it is necessary to make a filtering.

Ñ - the amplitude of a signal exceeds a level of background so slightly that even the filtering can not determine the first arrival of longitudinal and transverse waves. The event is associated basically by long-period surface waves.

Further during the examination of initial records with the help of package PQL, with application of constant bandpass filtering in a frequency band from 0,1 to 2,5 Hz a visual association of seismic events, a determination of calculated absolute time of arrival of the first longitudinal wave to the station and a quality estimate of the record were done separately for each network station. The results of determinations were put in a working file. The best of all network stations was taken as a final quality estimate of record.

It is necessary to notice that some differences were revealed during the processing in the magnitudes estimation between IRIS and GSETT-3 catalogs. Therefore for the compability of results for difference periods magnitudes of the IRIS catalog were corrected by the empirical dependence.

4.1.3. Registration of local and regional seismic events.

4.1.3.1. Statement of a problem.

From work experience with materials of global seismic network we can conclude that value 4,7-5,0 is a bar for magnitude for guaranteed detection of seismic events by global network stations. At the same time the mentioned value can considerably change depending on density of seismic stations network in a region of researches. So for example the density of a seismic stations network in California (USA) allow to register events with magnitudes 1,8-2,0.

The density of global seismic network on territories situated near southern part of the Caspian sea until recently was rather low and did not allow to detect events with magnitude lower than 4,0-4,5 therefore the information about weak seismic events in this region is unique.

4.1.3.2. Procedure of data processing.

In the case when examinating wave forms looked as the typical regional or local event but there was no association for them in the catalogue we used the standard technique for source location [9].

By means of package PQL we can determine for these events:

- absolute time of arrival of the first longitudinal wave;
- difference between a time of arrival of the first longitudinal and first transverse waves;
- event duration;
- amplitude values for each of three components at the moment of maximum amplitude for vertical component of the first longitudinal wave;
- quality estimate of record (2.1.2).

The results of determinations were put in a textual file which was used as initial for further processing with help of special software. This software included algorithms for detection of:

- epicentral distance and absolute origin time by the value of difference of arrival times of the first longitudinal (***P***) and the first transverse waves (***S***) and with help of theoretical travel-time curve of Jeffreys-Bullen;
- azimuth on epicenter by amplitude values of horizontal components;
- geographical coordinates of epicenter by earlier determined epicentral distance, azimuth and geographical coordinates of stations;

- magnitudes of seismic event by event duration (MD).

It is necessary to notice that the detection of origin depth was not a purpose of data processing but for compatibility of target files formats we put fixed value (31kms) to appropriate position.

4.1.3.3. Representation of results.

As a report material we presented 3 (three) textual file containing (Appendix 1):

1. List of all seismic events found out on records of network seismic stations.
2. List of seismic events associated with events from catalogues.
3. List of seismic events for which we made a procedure of epicentral location.

The line of the information for each event consisted from:

- absolute origin time;
- geographical coordinates of the source;
- origin depth;
- magnitude value;
- epicentral distance from a source for the nearest network station;
- calculated maximum amplitude of displacement for the network station nearest to a source.
- resulting value of record quality.

Besides for more evident results we used geographical maps and the possibility to indicate on them the epicenters of seismic events with help of the package MAP (MAP 5.0a, April 17, 1993, Copyright 1991,1992,1993. Regents of the University of California).

The results of data processing are presented as few groups of geographical maps in cylindrical projection (Appendix 2).

The first group is consisted of two maps with all surface of the Earth. On these maps the epicenters of all seismic events **registered** and **non-registered** by South Caspian seismic network were represented.

The epicenters of seismic events with locations made during data processing were represented on a separate map. The site of a represented surface for a map was limited by 34° N and 44° N and 48° E and 62° E.

The epicenters of seismic events were represented on these maps as circles with the size that corresponded to one of five ranges of magnitudes value:

- less than 2;
- from 2 to 4;
- from 4 to 6;
- from 6 to 8;
- more than 8.

The following group included the maps of three scales:

à) all surface of the Earth;

á) surface of the Earth limited by 30° S and 75° N in latitude and 15° W and 175° E in longitude;

â) surface of the Earth limited by 25° N and 50° N in latitude and 20° E and 80° E in longitude;

in each of these scales there were 5 separate maps containing:

1) epicenters of all associated seismic events;
2) epicenters of associated seismic events with quality estimate of record A;
3) epicenters of associated seismic events with quality estimate of record B;
4) epicenters of associated seismic events with quality estimate of record C;
5) epicenters of non-associated seismic events with calculated maximum amplitude of displacement exceeding fixed bar (2,0 nm);

Besides the report has two maps of surface of the Earth limited by 34° N and 44° N in latitude and 48° E and 62° E in longitude with indication of:

1) epicenters of all associated and located seismic events;
2) epicenters of non-associated seismic events with calculated maximum amplitude of displacement exceeding fixed bar (2,0 nì);

Epicenters of seismic events were represented as circles with the size which corresponded to one of four ranges of maximum absolute amplitude value of displacement on network stations. Values of range boundaries:

- less than 10 nì;

- from 10 to 100 nì;
- from 100 to 1000 nì;
- more than 1000 nì.

For group of maps (1) the quality estimate of record was marked by colour of a circle.

- dark blue - A;
- red - B;
- green - Ñ;

For groups of maps (2-5) all circles representing epicenters of events were marked by black colour.

4.1.4. Conclusions.

It is necessary to notice that the main part of conclusions in this part of the report is stated in the terms accepted for data processing of technique (2.1.2.).

For a period under research (from 20.08.94 to 30.09.95) about 21700 seismic events were registered by global seismic networks. From them:

abou 3900 - with magnitude less than 2;
about 9000 - with magnitude from 2 to 4;
about 8800 - with magnitude from 4 to 6;
about 5 - with magnitude more than 6.

For the same period more than 900 events were registered by the stations of South-Caspian seismic network. From them:

about 100 - with magnitude less than 2;
about 150 - with magnitude from 2 to 4;
more than 650 - with magnitude from 4 to 6;
about 5 - with magnitude more than 6.

From seismic events contained in the catalogue about 4,7 thousands events had calculated amplitude exceeding fixed bar. From these number about 700 events were registered and associated with the catalogue by network stations. From this number about 200 - with quality estimate of record A, about 350 - with estimate B, about 150 - with estimate Ñ. The procedure of detection of geographical coordinates for epicenter was done for 185 seismic events.

In general, examinating the results of data processing we can conclude that the network was capable to registrate almost all seismic events with calculated maximum amplitude in range more than 1000 nì, main part of seismic events in range from 100 to 1000 nì, considerable part of seismic events in range from 10 to 100 nì and few number of seismic events in range less than 10 nì.

Thus the most part of events that took place but were not registered by network stations were in range less than 10 nì. The rest of them practically completely are in range from 10 to 100 nì and their concentration is clearly observed in the regions of the Pamirs-the Himalayas and of north-east Mediterranean.

Concerning the distribution of epicenters on a surface of the Earth it is possible to note the registration of considerable part of seismic events in seismic active zones located on western coast of southern part of the Caspian sea, in Southern Iran. The seismic events are usually registered in a region of the Balkan, in Central Iran, in the Pamirs, in Northern China, on the Philippines, in Indonesia, on Japanese islands, on the Kuril Islands and Kamchatka.

At the same time the events with epicenters in Central and Northern Europe, in Scandinavia, in the Himalayas, on western coast of Sumatra are practically "invisible".

The registered events in range less than 10 nì are concentrated basically in near a region of location of network stations (southern part of the Caspian sea and Iran).

It is also important that these events can be in a region of Arabian-Indian ridge but it is even more interesting that we can see their concentration in a region of Fiji islands on epicentral distances about 120-130 degrees with prevalent maximum quality estimate of record (À).

Registered events in range from 10 to 100 nì are distributed practically in regular intervals.

Big events are single and are concentrated in a zone of Japanese islands, the Kuril islands and Kamchatka as well as Philippines islands and Indonesia.

Studying the distribution of quality estimates of record it is possible to note that if for a southern part of the Caspian sea, Japanese islands, the Kuril islands and Kamchatka the estimate (A) is obviously prevalent, for Iran (A and B), for north-east of Mediterranean, the Pamirs-the Himalayas, Indonesia and Philippines the estimates are evenly distributed on all three categories.

For a researched period 65 seismic events were registered in the South Caspian region (32°N-48°N and 45°E-65°E) by global seismic network. From them

31 - with magnitude from 2 to 4;

34 - with magnitude from 4 to 6.

At the same period and the same region 190 seismic events were registered by South-Caspian seismic network. From them

92 - with magnitude less than 2;

80 - with magnitude from 2 to 4;

18 - with magnitude from 4 to 6.

Estimating the distribution of epicenters of events located on records of South-Caspian seismic network we can note that relatively "big" events (MD=2,0-3,0) are distributed almost evenly and relatively weak events (MD=0,8-2,0) are concentrated in a region of Krasnovodsk - Nebit-Dag.

4.2. TELESEISMIC BODY WAVEFORM MODELING.

To determine the velocity structure of the crust and upper mantle beneath the seismographs shown in Figure 1 we model the teleseismic P-waveform using receiver function analysis (Owens et al, 1984). However, before we apply the receiver function method we use other information contained within teleseismic P-wave to determine more gross properties of the crust and upper mantle structure beneath each site. We first determine P-wave travel time residuals for the stations in the immediate vicinity of the south Caspian Basin relative to IASP91 and station ABKT. We then estimate the affects of scattering by examining P-wave azimuth anomalies. Finally, we model the P-waveforms using the receiver function technique.

P-wave Travel Time Residuals: To determine relative differences in crust and upper mantle structure in the south Caspian region we computed absolute P-wave travel time residuals with respect to the IASP91 earth model and relative travel time residuals of the south Caspian Basin stations compared to station ABKT. The relative residual is defined as where T_{CSN} is the arrival time at the CSN station, T_{IASP91} is the predicted arrival time for the IASP91 model, and T_{ABKT} is the observed arrival time at ABKT.

$$T_{resid} = [T_{CSN} - T_{IASP91(CSN)}] - [T_{ABKT} - T_{IASP91(ABKT)}]$$

The observed residuals are plotted for each of the sites in Figures 3-5. Arrivals at all stations are late with respect to those predicted by the IASP91 earth model. Stations NBD and KAT, both located in the Turkmenian Lowlands, show mean delays of ~0.9 sec with respect to ABKT. These large delays are likely due to the thick sedimentary section in the south Caspian Basin. The KRV residuals are negative with respect to ABKT with a mean advance of -0.28 sec for events to the northeast and a mean advance of -0.70 sec for events to the southeast. The change of -0.5 sec occurs over a fairly narrow range at an azimuth of about N80°E. Negative residuals at KRV with respect to ABKT suggest either a faster mantle, a thinner crust, or a thinner sedimentary section beneath KRV compared to that beneath ABKT.

P-wave azimuthal anomalies: The frequency dependence of backazimuth anomalies and the polarization characteristics can be indicative of the level of scattering in the P-wavefield due to inhomogeneities in the crust and upper most mantle beneath the recording site. It is important to assess the level of scattering and its frequency dependence before attempting to extract information on the crust and upper mantle structure using the receiver function technique. We have measured the polarization using a technique discussed discussed in Kanasewich (1981) and implemented by Harris (1980). For this, the rectilinearity of the particle motion over a specified time window can be obtained from the ratio of the principal axes of the diagonalized covariance matrix from the three component time series. The degree of rectilinearity can be determined by comparing the relative magnitude of the two largest eigenvalues; and the direction of polarization can be determined by considering the components of the eigenvectors associated with the largest eigenvalue with respect to the coordinate directions (Fig. 6).

We use this procedure to examine the polarization of teleseismic P-waves in the 0.07-0.2 Hz and 0.3-2.0 Hz bands. Assuming an average crustal P-wave velocity of 6.4 km/s these bands correspond to wavelengths of about 96 to 32 km or crustal dimensions and about 21 to 3 km or subcrustal dimensions. Figure 7 shows an example of the measurement made on a teleseismic P-wave for the lower of these frequency bands, and the associated particle motion plots.

The results of the polarization analysis in the two frequency bands are shown in Figures 8-10. The results are complex however some conclusions can be drawn from these plots. With the exception

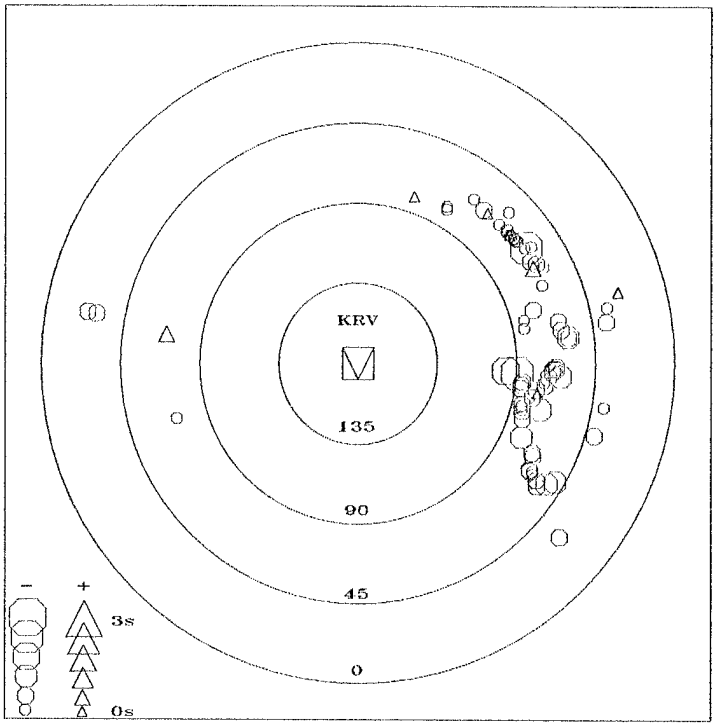


Figure 3. P-wave traveltime residuals for station KRV. Symbol size is scaled at 0.5s intervals, circles are fast and triangles are slow with respect to standard station ABKT. Concentric circles indicate epicentral distance in degrees and residuals are plotted as a function of azimuth.

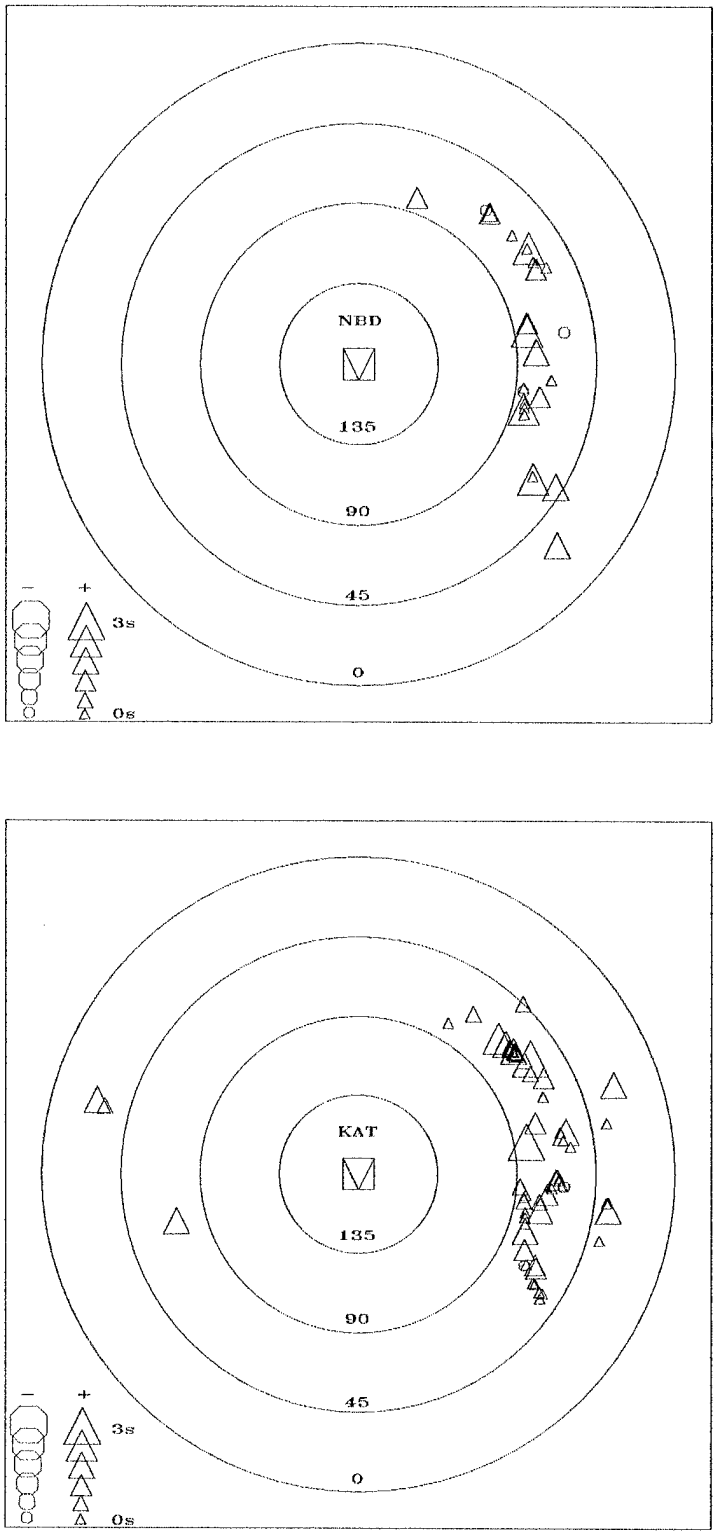


Figure 4. P-wave traveltime residuals for stations NBD (top) and KAT (bottom) relative to ABKT. Format is the same as in Figure 3.

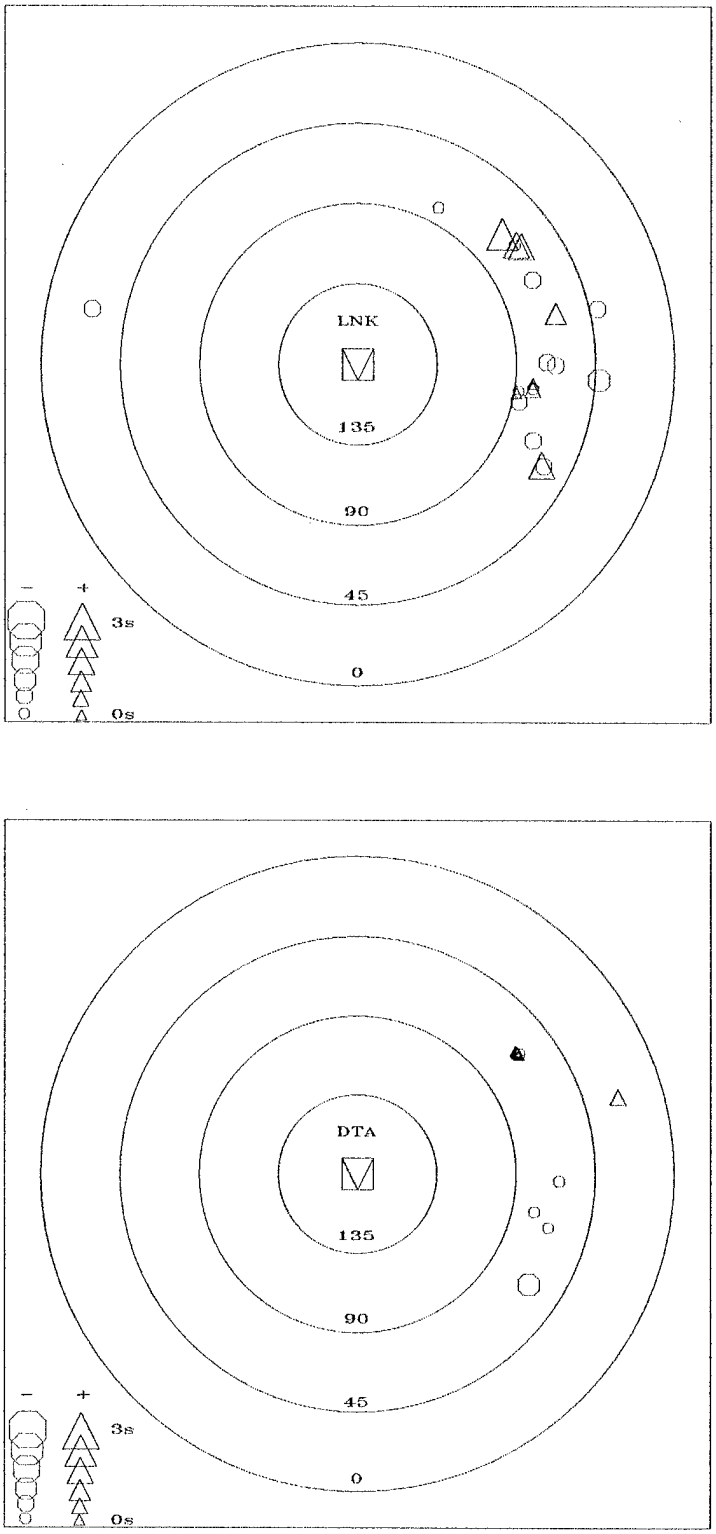


Figure 5. P-wave traveltime residuals for stations LNK (top) and DTA (bottom) relative to ABKT. Format is the same as in Figure 3.

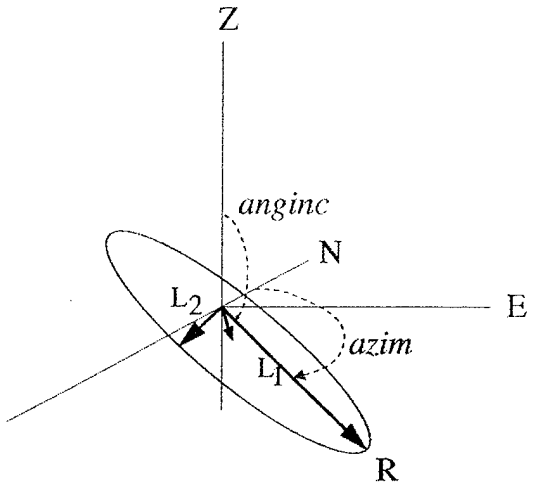


Figure 6. A perspective diagram of the three eigenvectors associated with the covariance matrix for a P-wave. The largest eigenvector extends through the center of the ellipse drawn above in 2 dimensions and defines the radial (R) direction.

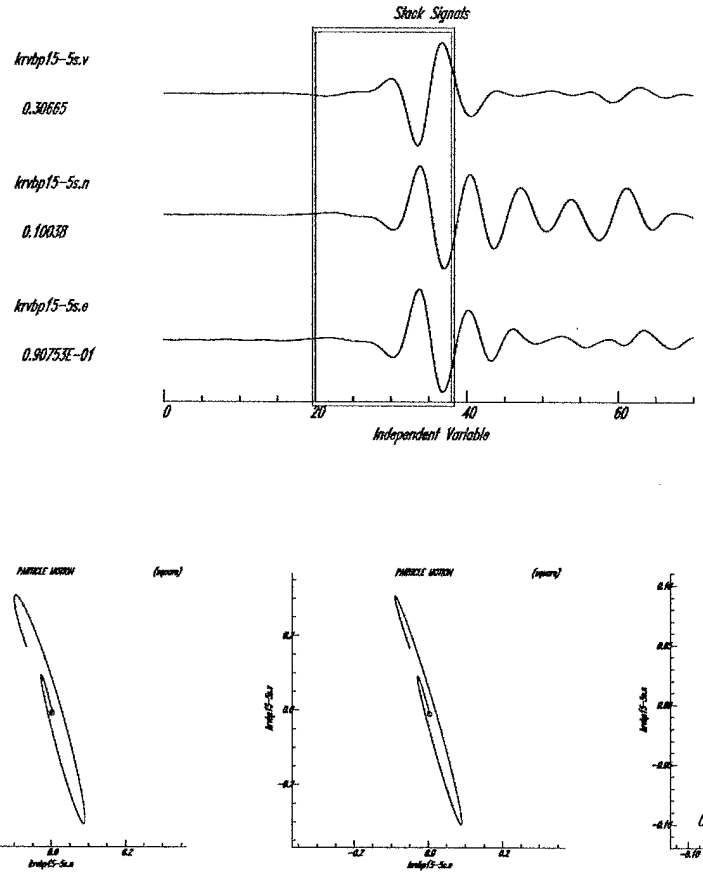


Figure 7. Sample P-wave polarization analysis window (top) and corresponding particle motion in the three orthogonal planes between the source and receiver.

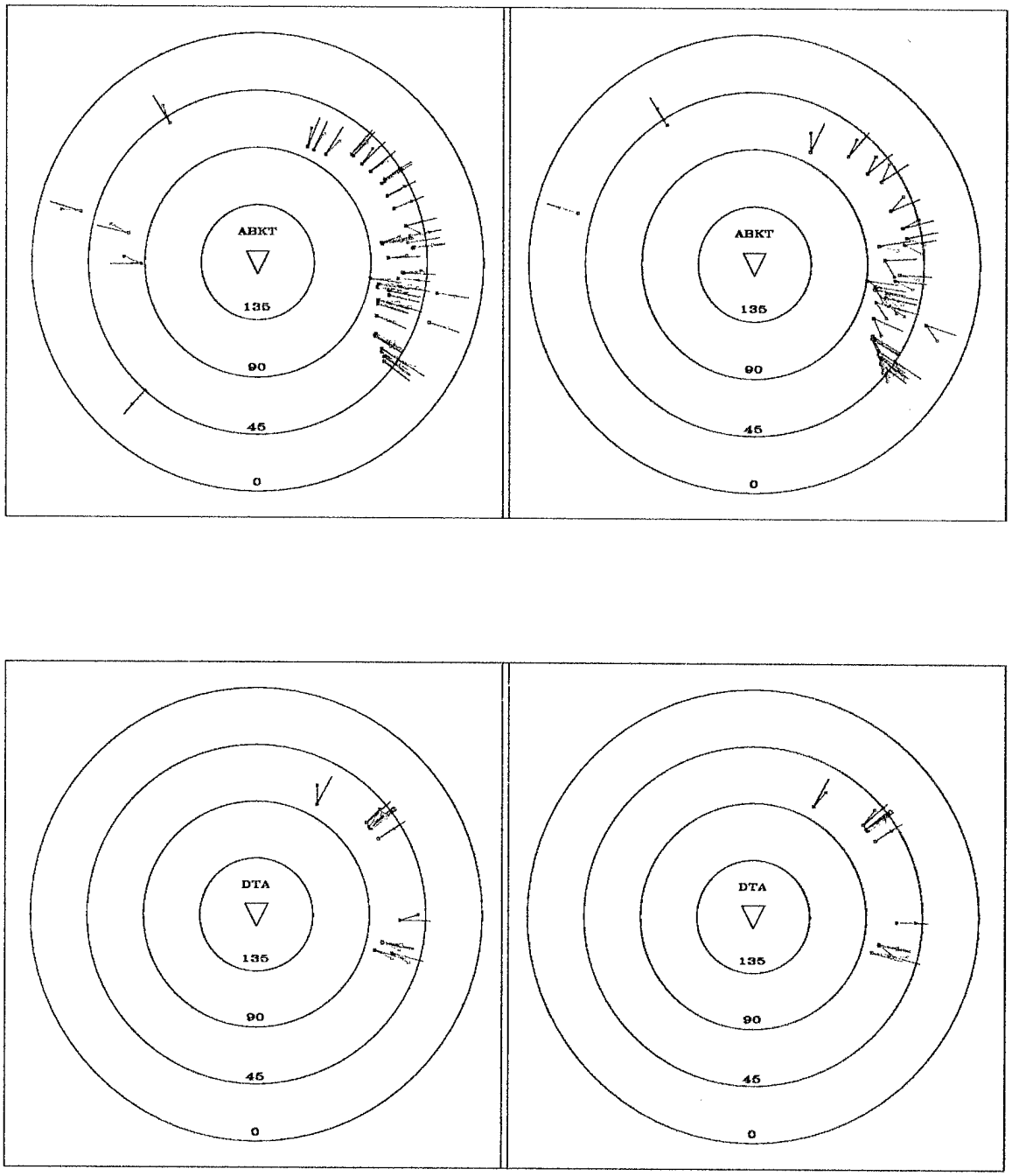


Figure 8. Stations ABKT (top) and DTA (bottom) expected (solid line) compared to the observed P-wave bearing (dashed line) for the lowpass 15s to 5s (left) and highpass 3s-2Hz filtered data (right). Concentric circles indicate epicentral distance from the station.

of station KRV the differences between the low frequency observed and the theoretical backazimuths are small. However, the highpass backazimuth anomalies are large indicating significant scattering.

At ABKT the lowpass measurements are essentially on azimuth while a pattern is present at higher frequencies. Arrivals from teleseismic sources northeast of ABKT are deflected to the north while arrivals from the southeast are deflected to the south. The division between this frequency dependent scattering is roughly parallel to the trend of the Main Fault of the Kopet Dag Mountains. Although the bearing results at station DTA are sparse, this pattern is not present 200 km east of ABKT. At station KRV both the low and highpass bearings are inconsistent with the expected azimuth of arrival. The mean difference between the expected and observed azimuth of arrival is ~17.5 degrees, counterclockwise about the station. These differences point to a mis-aligned seismometer. Stations NBD, KAT and LNK located within the Basin and all show significant scattering at higher frequencies while the lowpass bearings are variable.

Computing the receiver function, we isolated the P to S converted phases in the 30 seconds following the P-wave arrival using the source equalization method (Langston, 1979; Ammon, 1991). Most of the source regions are along the Circum Pacific Seismogenic Zone, hence most of the receiver functions sample the lithosphere to the east of each station. Only the most stable deconvolutions (those with averaging functions that approximate a narrow band Gaussian pulse) are used to infer structure. Events from common source regions are then stacked and the variance of the stacked data is used as a measure of coherence of individual Ps arrivals. We examined the radial and tangential receiver functions as a function of azimuth and determined 1-D estimates of the receiver structure using the inversion method of Ammon et al. (1990).

Figure 11 presents the receiver function inversion results for the northeast backazimuth of CSN station KRV. The synthetic waveform fits are compared to the +/- 1 STD bounds obtained from the variance of the stacked data. Also shown are the stacked radial and tangential receiver functions and the range model space examined. We believe this range adequately covers most known rock types found in the earths crust. The KRV-NE radial receiver function is dominated by

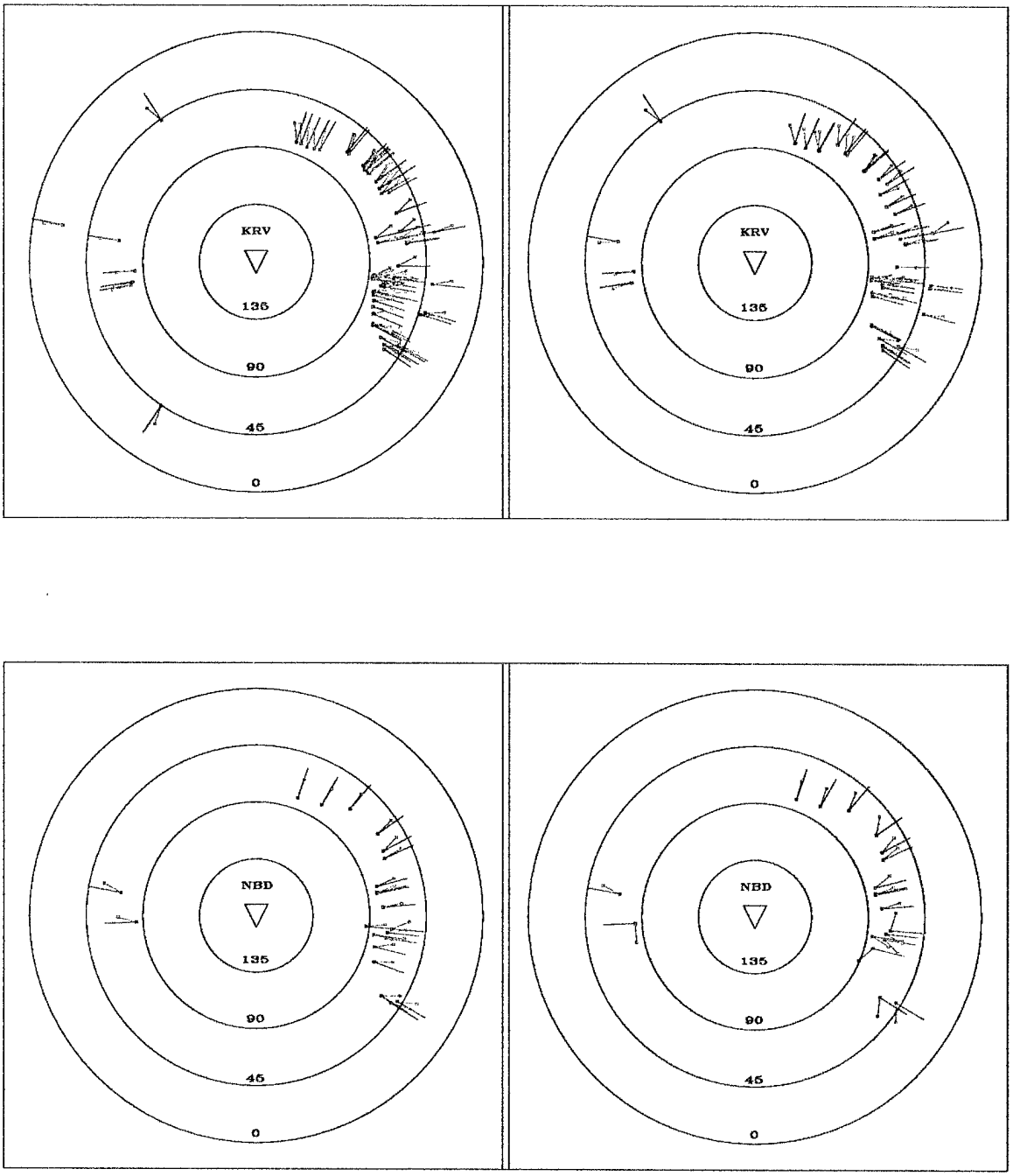


Figure 9. Stations KRV (top) and NBD (bottom) expected compared to the observed P-wave bearing . Format is the same as in Figure 8.

two Ps arrivals at 7s and 9.5s. These arrivals are well above the scattered wave field indicated by the amplitude of the tangential receiver function. Particle motion of these arrivals is consistent with P to S converted energy generated at a near horizontal interface. Rotation of the KRV receiver functions by 17.5 degrees (the mean observed in the bearing analysis) yields a radial receiver function that does not significantly differ from the amplitude and phase of the unrotated data. The KRV-NE solution models indicate a 3-4 Km thick gradational shallow crust over a relatively constant upper crustal layer between 4-16 Km depth. A step in velocity of ~1.5 Km/s is present between 16-18 Km. Beneath this step from 20 to 36 km depth the average P-wave velocity is between 6.5-7.0 km/s. From 36 to 46 km velocities range from 6.8-7.3 km/s. The crust-mantle boundary is gradational and velocities greater than 8 Km/s are first encountered at 52-54 Km depth.

Figure 12 presents a summary of the receiver function models obtained at the CSN stations and at station ABKT. Although these 1-D models represent only several data points across a complex region, some of the gross structural differences between the south Caspian Basin and adjacent Kopet Dag Mtns are clear. The models for stations KAT and LNK indicate the presence of a 10-12 km thick sedimentary layer in the upper crust. Both of these stations are located in the southern portion of the south Caspian Basin. The thickness of this layer is consistent with but less than the previously reported sedimentary thickness of 15-25 Km. It is important to note that our stations are located along the perimeter of the Basin and the previous DSS estimates are for the center of the Basin. Beneath the sedimentary layer at station LNK the mid-crustal velocities are high and are consistent with an ultra-mafic material, perhaps basalt, while at KAT a broad shallow low-velocity zone is present. The KRV-NE solutions and the ABKT-NE solutions both show a similar upper crustal velocity profile and include a step in velocity near 20 km depth. The crust-mantle boundary is gradational for all models and and occurs between 50-55 Km depth around the perimeter of the Basin and between 44-46 km depth beneath station ABKT. We are currently examining 1-D velocity estimates of the crust and upper mantle to depths approaching 150 km.

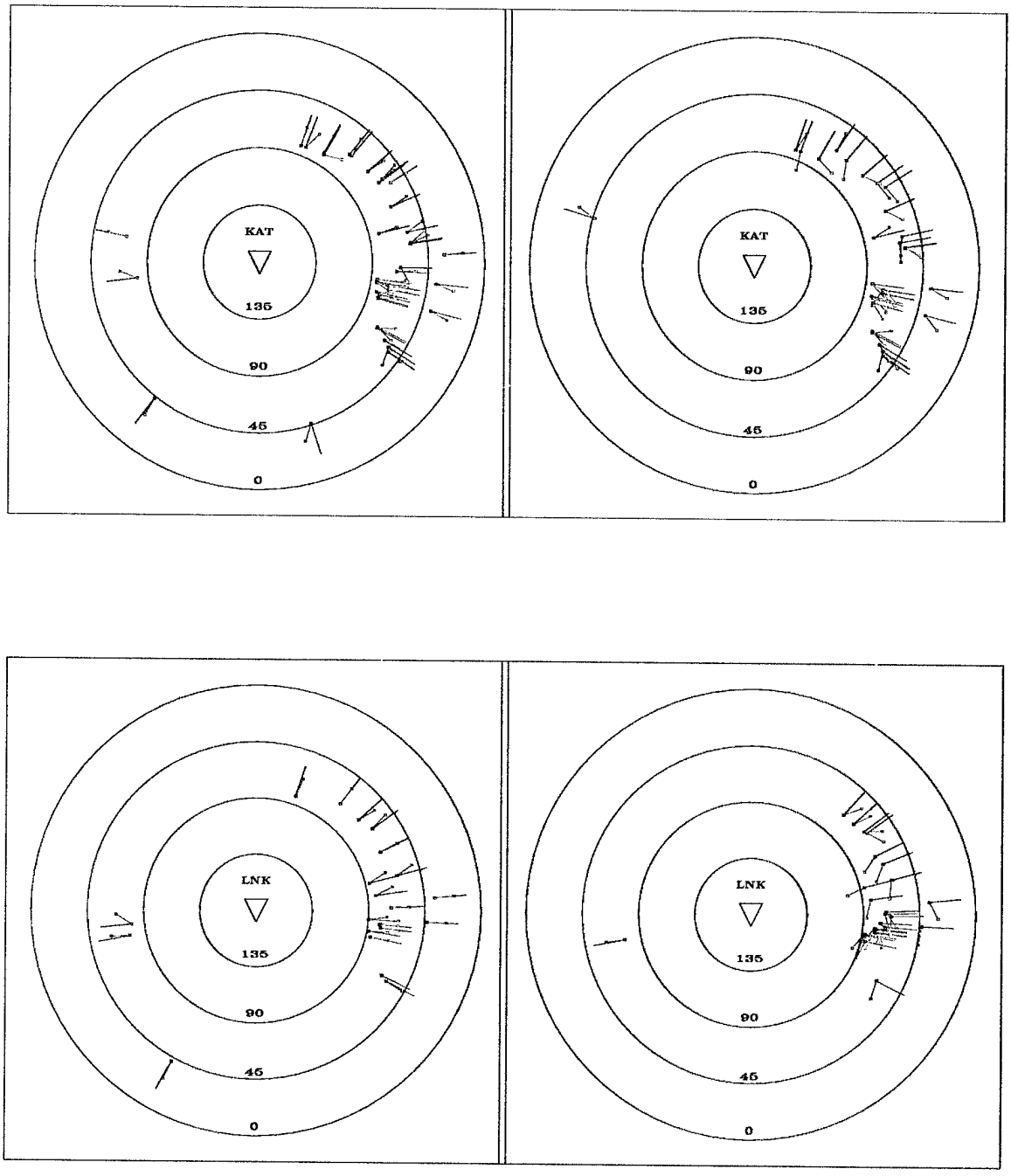


Figure 10. Stations KAT (top) and LNK (bottom) expected compared to the observed P-wave bearing . Format is the same as in Figure 8.

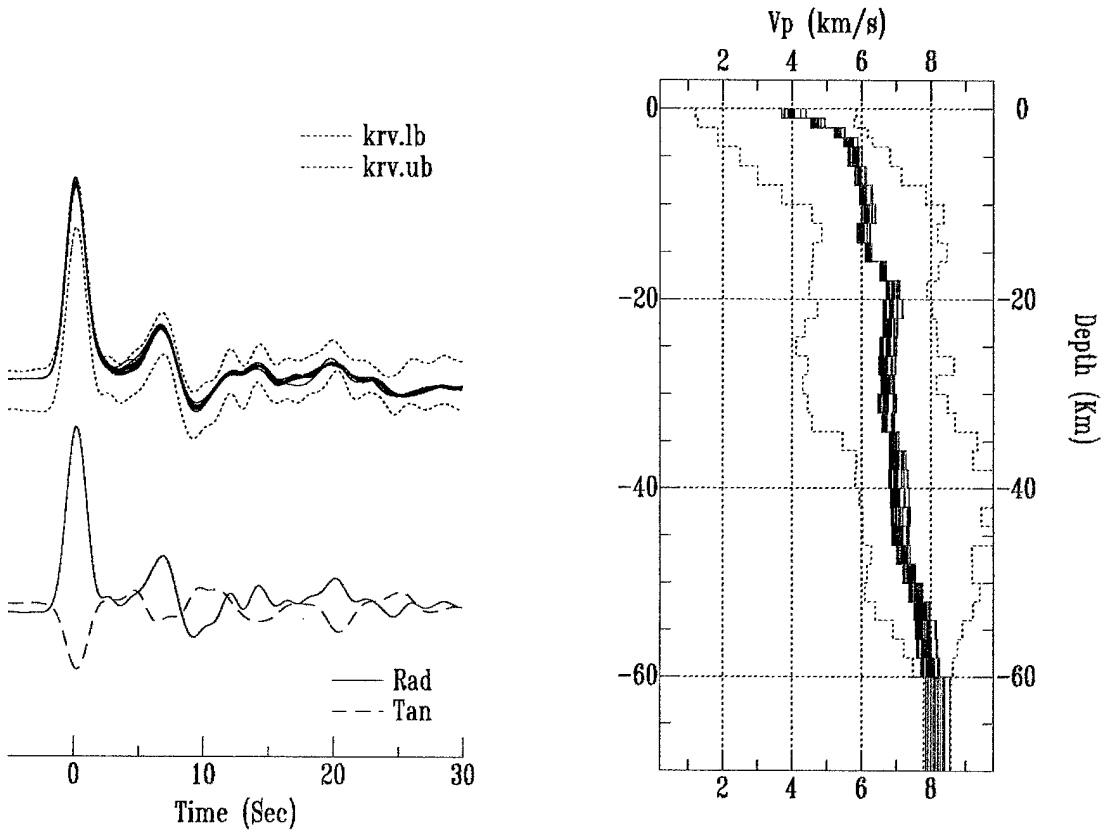


Figure 11. CSN station KRV-NE synthetic waveform fits compared to the +/- 1 STD bounds (top left), the stacked radial and tangential receiver functions (bottom left) and the corresponding solution models (right).

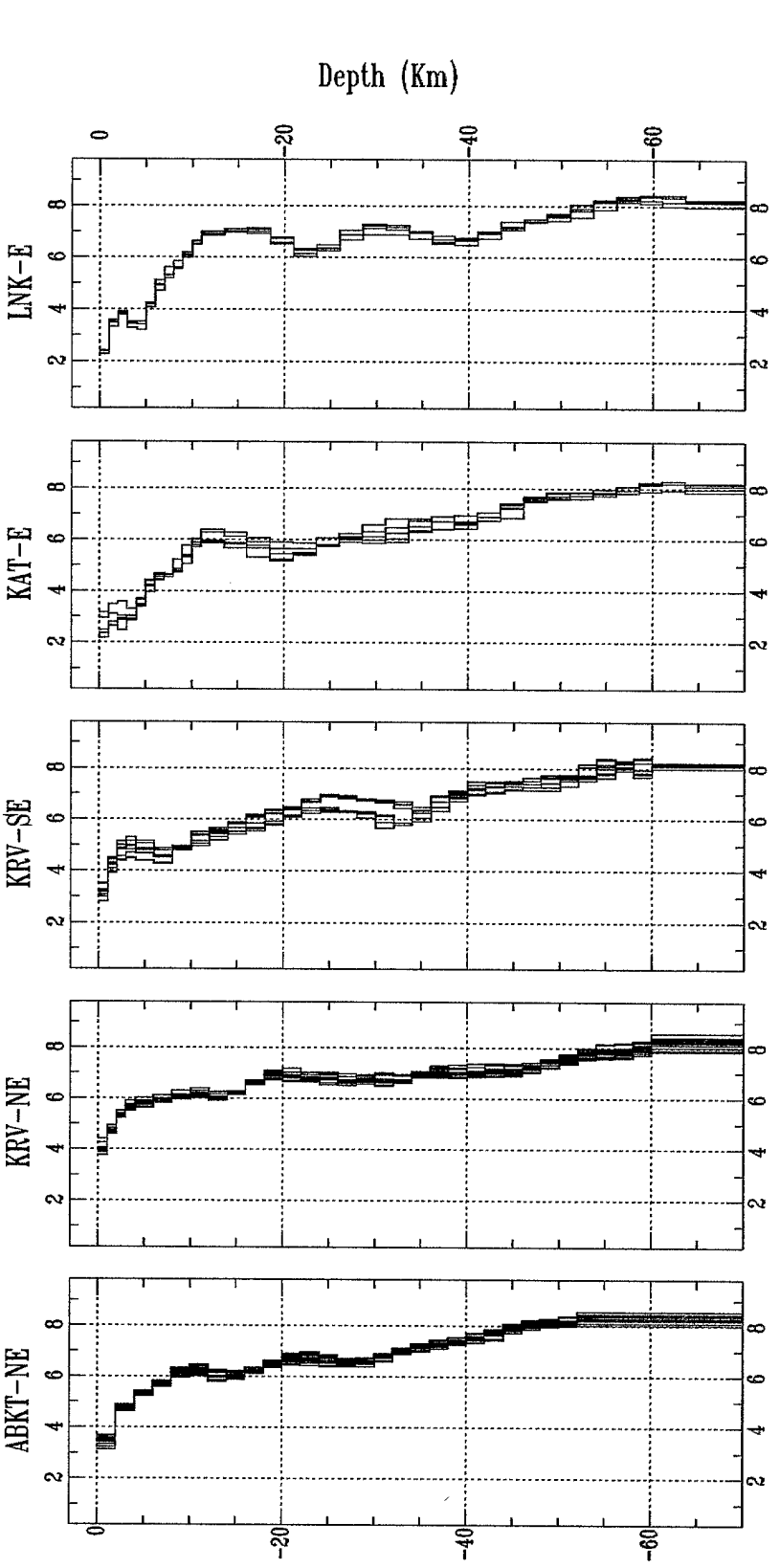


Figure 12. P-wave velocity receiver function modeling results for stations ABKT, KRV, KAT and LNK.

4.3. SURFACE WAVE OBSERVATIONS.

The study of Kadinsky-Cade et al. (1981) demonstrated that the seismic phase Lg is largely blocked for paths crossing the south Caspian Basin and this is also apparent in the data we have collected in the region immediately surrounding the Caspian. However, Figure 13 shows that the south Caspian Basin also severely disrupts low frequency fundamental mode surface wave trains. Figure 13a compares long period seismograms for a mid-Atlantic ridge earthquake propagating along a great circle path between LNK and KAT. The LNK seismogram shows a dispersed fundamental mode wave train (~2400-3000 seconds) followed by scattered surface wave arrivals. The lowest frequency fundamental mode surface wave arrival seen in the LNK seismogram is clear in the KAT seismogram (~2600-2700 seconds) but the dispersed wave train observed at LNK is largely missing from the KAT seismogram and the overall surface wave amplitude has decreased significantly. Figure 13b compares seismograms for a north Mulucca Sea earthquake propagating along a great circle path between KAT and LNK, i.e., reversing the path of the event in Figure 13a. These seismograms exhibit the same degradation of the surface wave train and show that this is not, for example, an instrumental effect. We have observed this phenomenon for all events propagating along great circle paths across the central portion of the south Caspian Basin.

Surface waves propagating along the KRV--KAT great circle path across the Turkmenian Lowlands do not show the same disruption (Fig. 14) as those propagating across the main part of the basin (Fig. 13). Russian earth scientists have suggested that this region is structurally part of the south Caspian Basin and that the crust in the region consists of 10-15 km of sediment lying on "ocean--like" crust. The deep thickness of sediments is verified from well logs (Sengor, personal communications, 1995). The two upper seismograms in Figure 14a show one of four great circle path Rayleigh wave pairs recorded at stations KRV and KAT that are used to determine the dispersion curve. The comparison of the two wave trains in the lower part of the upper plot shows the match of the original KAT Rayleigh wave with the KRV Rayleigh wave after being filtered with the dispersion transfer function.

Figure 14b shows the fundamental mode Rayleigh wave phase velocity dispersion curve for this

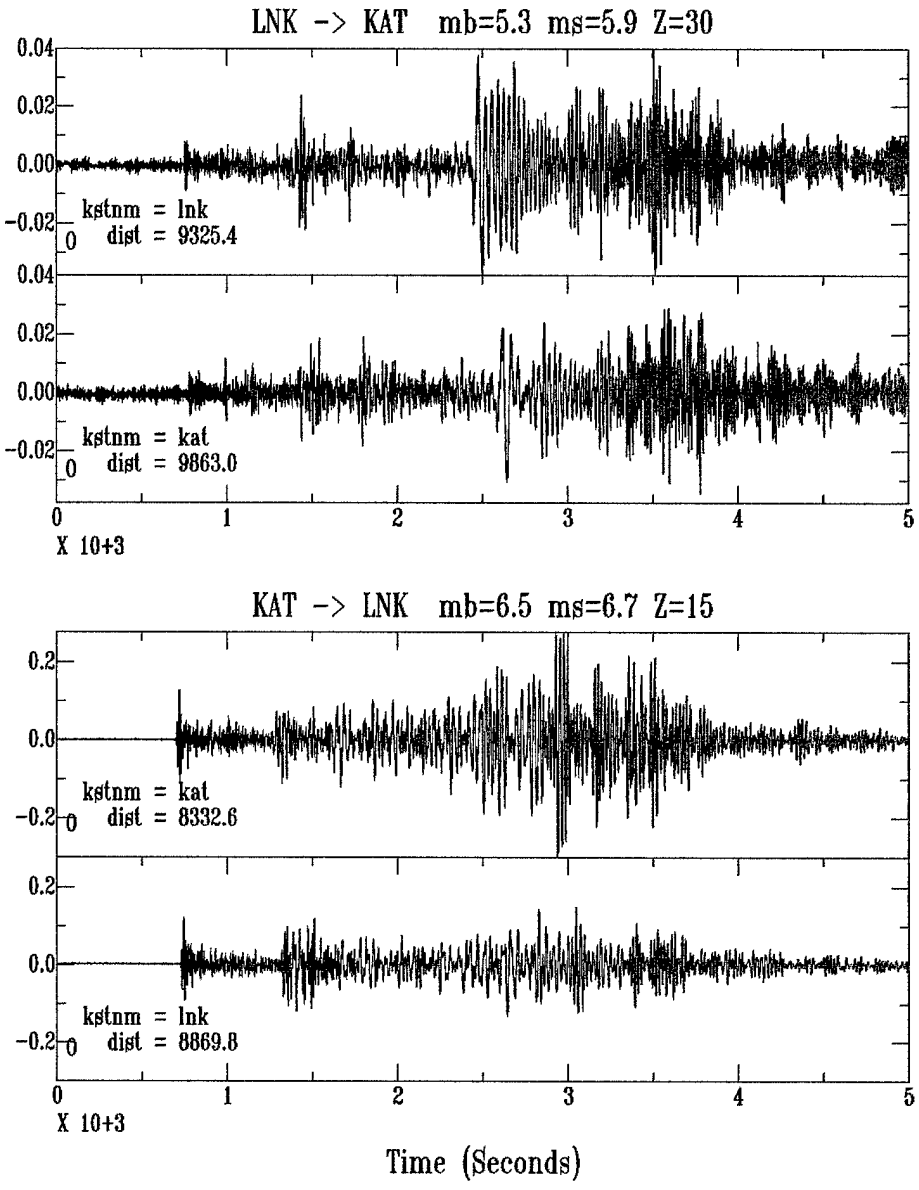


Figure 13. Reversed, great circle path vertical component seismograms recorded at CSN stations LNK and KAT. The upper pair (A) is a record of a mid-Atlantic ridge earthquake propagating from west to east across the south Caspian Basin, while the lower pair (B) is a larger event from the Mulucca Sea which propagates across the Basin from east to west. Both pairs show considerable degradation of the surface wave train after propagating across the south Caspian Basin. These seismograms are characteristic of all great circle path events across the central portion of the south Caspian Basin.

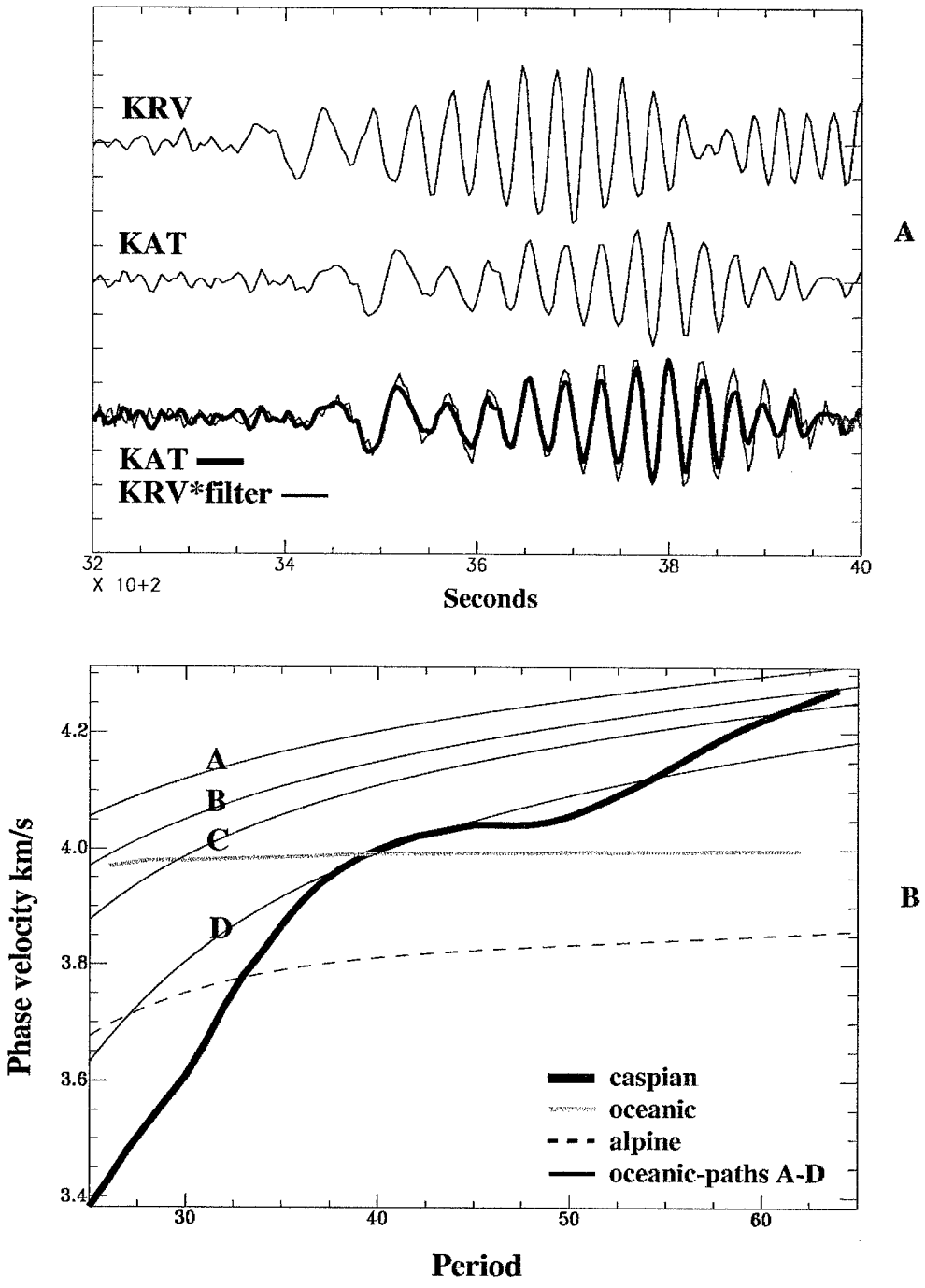


Figure 14. Fundamental mode Rayleigh wave phase velocity dispersion curve for the KRV-KAT path. This curve was computed from four seismogram pairs using a constrained least-squares alogrithm (Gomberg et al. 1988). The KRV-KAT phase velocity curve is compared with observed dispersion curves for an ocean basin (Kuo et al. 1962), a continental tectonic region (Knopoff et al. 1966), and the Bay of Bengal (Brune and Singh 1988) region. The primary differences in paths "A" to "D" is an increase in thickness of the near surface sedimentary layer and an increase in Moho depth from "A" to "D".

path. This curve was computed from four seismogram pairs using a constrained least-squares algorithm (Gomberg et al, 1988). The KRV-KAT phase velocity curve is compared with observed dispersion curves for several other possibly analogous regions; an ocean basin structure (Kuo et al, 1962), a continental tectonic structure (Knopoff et al, 1966), and the Bay of Bengal [curves A to D] (Brune and Singh, 1986). The main difference between curves A to D is due to an increase of sedimentary layer thickness from south to north in the Bay of Bengal as one gets closer to the mouth of the Ganges River. The dispersion curve for the western Turkmenian Lowlands is most similar to curve "D"' for the Bay of Bengal observed by Brune and Singh (1986). They suggest that a thick sedimentary section introduces a blanketing effect which results in an increase in temperature causing in the serpentinization of oceanic crust into a more "continental-like" crust. A similar blanketing process might be affecting the crust in the south Caspian Basin.

5. DISCUSSION AND CONCLUSIONS.

This study has shown that the south Caspian has an anomalous crustal structure which has a pronounced effect on not only higher frequency regional seismic waveforms but also on lower frequency surface waves. The velocity structures from body wave modeling provide some insight into the effects of crustal structure on regional seismic waves propagating across the south Caspian Basin. It is clear from the Caspian data that both longer and shorter period surface wave trains are greatly scattered or attenuated for travel paths across the Caspian Sea, and to a lesser degree for paths across the Turkmenian Lowlands. The Lg phase is blocked for travel paths across the oceanic crust as well as in regions where the crustal structure includes rapid changes in thickness. If we consider the Lg phase to consist of multiple reflected S waves trapped within the crustal wave guide, then the receiver function modeling results suggest that the blockage is due to the abrupt change in crustal structure from a relatively simple model beneath ABKT to complex models beneath KAT and LNK. Although these are 1-D models and the basin is a 3-D structure, these observations support a scattering mechanism. Recent analysis of the logarithmic rms amplitude ratio of Sn/Lg (Zhang and Lay 1994) has shown that this ratio can be linearly related to changes in surface topography. The southern margins of the Basin and the eastern margin of the Turkmenian Lowlands range from below sea level at LNK up to 2 km in the Alborz Mountains. These features probably contribute to the Lg blockage, but these effects have not yet been examined.

Acknowledgements: Installation and the first year and a half of station operation in the Caspian was funded by the Phillips Laboratory. Operation of the stations in the second and third years was funded by USAF EOARD and INTAS grants. Significant contribution on data processing to this report was made by Stephen Mangino and Keith Priestley from Bullard Laboratories, Madingley Rise, Madingley Road, Cambridge CB3 0EZ, UK. Station installation and maintenance in the Caspian region was made possible by the support of Vasily Kiselevich and Andrey Rasskazov, SYNAPSE Science Center, Drs. T. Ashirov and B. Karryev, Institute of Seismology of Turkmenia; and Drs. A. Gasanov and S. Agamirzoev of the Geophysical Expedition of Azerbaijan. Throughout network operations indispensable technical support and software was obtained from the PASSCAL Instrument Center at Lamont-Doherty Geological Observatory (LDGO) and from Refraction Technology.

6. REFERENCES

1. Ammon, C. J., The isolation of receiver effects from teleseismic P waveforms, *Bull. Seism . Soc. Am.*, **81**, 2504--2510, 1991.
2. Ammon, C. J., G. E. Randall and G. Zandt, On the resolution and non-uniqueness of receiver function inversions, *J. Geophys. Res.*, **95**, 15303--15318, 1990.
3. Berberian, M., The southern Caspian: A compressional depression floored by trapped, modified oceanic crust, *Can. J. Earth Sci.*, **20**, 163--183, 1983.
4. Berberian, M. and G. C. P. King, Towards a paleogeography and tectonic evolution of Iran, *Can. J. Earth Sci.*, **18**, 210--265, 1981.
5. Bullen, K. An Introduction to the theory of seismology. , 1966.
6. Gomberg, J.S., K.F. Priestley, T.G. Masters, and J.N. Brune, The structure of the crust and upper mantle of northern Mexico, *Geophys. J.*, **94**, 1--20.
7. Gutenberg, B. Physics of the Earth's interior. 1963.
8. Harris, D.B., Comparison of the direction estimation performance of high--frequency seismic arrays and three--component stations, *Bull. Seis. Soc. Am.*, *80*, 1951--1968, 1990.
9. Instruction on observations on seismic stations of Entire system of seismic monitoring of USSR. Editor N. Kondorskaya., Z. Aranovitch et. al, Moscow, Nauka, 1981.
10. Jackson, J. A., and D. McKenzie, Active tectonics of the Alpine--Himalayan Belt between western Turkey and Pakistan, *Geophys. J. R. Astr. Soc.*, **77**, 185--264, 1984.
11. Kadinsky--Cade, K., M. Barazangi, J. Oliver, and B. Isacks, Lateral variations of high--frequency seismic wave propagation at regional distances across the Turkish and Iranian Plateaus, *J. Geophys. Res.*, **86**, 9377--9369, 1981.
12. Knopoff, L., S. Mueller, and W.L. Pilant, Structure of the crust and upper mantle in the Alps from the phase velocity of Rayleigh waves, *Bull. Seis. Soc. Am.*, *56*, 1009--1044, 1966.
13. Kuo, J., J. Brune, and M. Major, Rayleigh wave dispersion in the Pacific Ocean for the period range 20 to 140 seconds, *Bull. Seis. Soc. Am.*, *52*, 338--357, 1962.
14. Langston, C. A., Structure under Mount Rainier, Washington inferred from teleseismic body waves, *J. Geophys. Res.*, **84**, 4749--4762, 1979.

15. McBride, J, Priestley, K., Rozhkov, M, Seismic Investigations of the Crust and Upper Mantle Structure of the Caspian Basin, *CASPY-95 International Conference Proceedings*, p.36-38, Moscow, 1995.

16. Neprochnov, Y. P., Structure of the earth's crust of epi--continental seas: Caspian, Black, and Mediterranean, *Can. J. Earth Sci.*, **5**, 1037--1043, 1968.

17. Park, J., F. Vernon and C. R. Lindberg, Frequency dependent polarization analysis of high--frequency seismograms, *J. Geophys. Res.*, **92**, 12,664--12,674, 1987.

18. Priestley, K., C. Baker and J. Jackson, Implications of earthquake focal mechanism data for the active tectonics of the south Caspian Basin and surrounding regions, *Geophys. J. Int.*, **118**, 111--141, 1994.

19. Rezanov, I. A. and S. S. Chamo, Reasons for absence of a granitic layer in basins of the South Caspian and Black Sea type, *Can. J. Earth Sci.*, **6**, 671--678, 1969.

20. Seismical zoning of the territory of USSR. Editor. V. Bune, G. Gorshkov., Moscow, Nauka, 1980.

21. Zhang, T., and T. Lay, Analysis of short period regional phase path effects associated with topography in Eurasia, *Bull. Seis. Soc. Am.*, *84*, 119--132, 1994.

Appendix 1

All events, registered by the CSN

Jul day	Date	Time	Latitude	Longitude	Depth	Mag	Delta	Ampl.	Qua
					km		degrees	nm	
232	20.08.94	18:18:25	3.120	127.420	77	5.4	75	7.061	B
233	21.08.94	02:06:33	37.891	69.944	33	4.3	12	7.684	B
233	21.08.94	04:25:03	52.262	159.859	44	4.9	68	3.385	C
233	21.08.94	15:55:59	56.761	117.900	12	6.0	44	24.064	A
234	22.08.94	11:09:38	44.621	150.310	33	5.3	67	5.994	C
234	22.08.94	12:41:16	70.922	-6.103	10	5.3	44	9.126	B
234	22.08.94	17:26:37	-11.509	166.452	142	6.2	114	1.452	B
234	22.08.94	19:56:50	4.525	35.034	10	4.7	39	4.481	C
234	22.08.94	21:31:16	30.976	141.707	33	5.4	69	6.744	B
235	23.08.94	12:05:43	36.542	70.396	33	4.8	13	16.229	C
235	23.08.94	14:18:31	40.041	78.818	33	5.3	19	47.586	B
239	27.08.94	16:03:56	6.802	126.729	100	5.5	72	16.265	B
239	27.08.94	19:58:29	38.301	55.369	31	3.3	2	2.122	A
240	28.08.94	15:41:29	5.659	126.234	69	5.6	72	9.082	B
240	28.08.94	18:37:20	44.783	150.061	19	6.3	67	24.483	A
240	28.08.94	20:51:54	44.228	150.818	33	5.4	68	6.856	B
241	29.08.94	01:45:07	44.582	150.324	50	5.4	67	6.895	B
241	29.08.94	17:36:20	-0.404	-19.172	10	5.8	78	12.773	C
242	30.08.94	06:13:35	44.737	150.117	51	5.7	67	10.533	B
242	30.08.94	19:42:46	-6.965	124.111	596	6.2	79	107.401	A
243	31.08.94	09:07:25	43.719	146.013	76	6.2	65	21.739	B
244	01.09.94	01:19:10	39.034	53.563	31	3.0	1	1.096	B
244	01.09.94	15:15:53	40.402	-125.680	10	7.1	100	25.122	B
244	01.09.94	16:12:40	41.183	21.196	14	5.4	25	27.262	A
246	03.09.94	00:24:25	39.004	54.261	31	2.9	1	0.866	A
247	04.09.94	02:28:02	37.471	69.971	33	4.9	12	17.985	B
247	04.09.94	07:15:03	36.517	70.445	194	4.9	13	22.645	C
247	04.09.94	16:18:04	40.297	53.941	31	2.0	1	0.095	A
248	05.09.94	19:13:17	41.905	46.231	62	4.7	7	11.489	A
248	05.09.94	22:13:47	46.782	155.226	12	5.6	69	8.967	C
250	07.09.94	08:57:43	39.692	53.903	31	1.2	1	0.017	B
250	07.09.94	13:56:25	38.491	90.345	33	5.2	28	13.995	C
251	08.09.94	08:50:42	0.540	126.173	52	5.7	76	10.852	B
251	08.09.94	09:20:57	37.125	69.949	33	4.9	12	18.07	B
251	08.09.94	13:33:36	28.030	61.837	77	5.1	13	24.879	B
251	08.09.94	17:35:24	38.997	54.712	31	2.0	1	0.095	A
252	09.09.94	18:45:04	1.895	128.347	120	5.4	76	14.568	C
253	10.09.94	04:54:10	7.552	126.599	79	5.6	72	8.986	B
253	10.09.94	17:13:07	39.345	53.715	31	3.8	1	6.627	A
254	11.09.94	01:32:03	19.586	99.516	33	5.2	43	7.949	C
254	11.09.94	16:32:57	39.075	54.100	31	2.7	1	0.54	A
255	12.09.94	11:30:14	-8.910	106.476	33	5.7	68	10.363	B
256	13.09.94	04:28:01	29.287	129.910	34	6.1	61	19.686	B
256	13.09.94	14:02:30	39.712	55.047	31	3.2	1	1.488	A
258	15.09.94	19:48:23	54.357	-161.856	50	5.4	81	7.272	B
259	16.09.94	06:20:18	22.528	118.711	13	6.8	56	55.674	A
260	17.09.94	02:24:37	37.885	41.584	9	5.1	10	20.619	B
260	17.09.94	04:56:26	36.461	9.173	10	5.2	35	9.44	B
261	18.09.94	10:27:15	38.563	71.733	33	4.6	13	12.697	B
262	19.09.94	03:09:19	38.848	53.587	31	3.0	1	1.096	A
263	20.09.94	05:51:46	32.501	48.770	33	5.2	8	23.372	B
263	20.09.94	08:45:26	7.433	126.748	51	5.3	72	5.909	B

All events, registered by the CSN

264	21.09.94	06:09:17	1.091	127.161	143	5.2	76	10.971	C
266	23.09.94	19:15:44	36.045	100.146	33	5.3	36	10.795	B
269	26.09.94	21:31:19	-3.125	127.468	33	5.4	79	7.403	C
270	27.09.94	12:37:50	51.342	178.421	33	5.4	77	7.222	C
270	27.09.94	16:22:30	39.711	52.932	31	2.5	1	0.336	A
270	27.09.94	21:48:06	38.950	54.151	31	2.0	1	0.095	B
271	28.09.94	16:39:51	-5.786	110.352	638	6.6	69	177.432	A
271	28.09.94	17:33:58	-5.731	110.364	628	6.0	69	76.557	A
271	28.09.94	21:22:10	-4.708	102.200	46	5.5	62	8.381	A
272	29.09.94	08:50:12	39.682	52.929	31	2.6	1	0.426	A
273	30.09.94	02:56:16	36.412	71.067	242	4.7	13	15.037	C
273	30.09.94	02:57:16	37.551	75.025	33	5.0	16	26.575	B
273	30.09.94	19:30:18	-21.217	-179.293	643	5.8	131	2.333	B
274	01.10.94	14:04:20	13.116	50.416	10	4.9	27	10.928	B
274	01.10.94	16:35:20	-17.745	167.682	17	6.5	119	2.786	B
274	01.10.94	17:46:37	-17.768	167.830	33	6.3	119	2.104	B
275	02.10.94	00:55:37	8.121	93.935	33	5.2	47	6.97	B
275	02.10.94	16:20:16	38.554	73.888	125	4.7	15	17.271	A
277	04.10.94	13:22:55	43.773	147.321	14	7.9	66	234.629	A
277	04.10.94	15:24:15	43.526	147.908	20	6.3	66	24.656	A
277	04.10.94	16:01:02	43.706	147.991	16	6.3	66	24.669	A
277	04.10.94	16:06:20	43.430	147.902	18	6.0	66	16.169	A
277	04.10.94	16:52:45	43.684	148.059	39	5.3	66	6.052	B
277	04.10.94	18:09:39	43.660	147.445	33	5.5	66	8.048	A
277	04.10.94	19:16:28	43.774	147.504	35	6.0	66	16.249	A
277	04.10.94	20:01:10	43.983	147.292	64	5.7	66	10.691	A
277	04.10.94	20:06:30	43.267	147.779	36	5.4	66	6.96	A
277	04.10.94	20:16:54	43.465	147.737	47	5.2	66	5.264	B
277	04.10.94	22:56:30	43.654	147.591	53	5.4	66	6.986	B
278	05.10.94	01:13:27	23.101	121.479	70	5.5	58	8.782	A
278	05.10.94	04:00:47	43.398	148.078	40	5.8	66	12.192	B
278	05.10.94	07:16:07	43.686	148.088	38	5.7	66	10.612	B
278	05.10.94	12:34:43	43.228	147.400	53	5.5	66	8.029	B
278	05.10.94	12:39:30	43.627	147.450	41	5.7	66	10.656	B
278	05.10.94	20:37:29	43.592	147.449	13	6.0	66	16.237	B
278	05.10.94	20:39:48	43.954	147.336	40	5.3	66	6.093	B
279	06.10.94	22:07:19	39.075	54.189	31	2.2	0	0.144	A
279	06.10.94	22:17:13	39.051	54.252	31	1.8	0	0.063	A
280	07.10.94	02:36:09	43.614	147.289	52	5.6	66	9.269	B
280	07.10.94	03:25:58	41.662	88.753	0	6.0	26	56.04	A
280	07.10.94	07:00:52	43.117	146.866	55	5.3	66	6.082	B
280	07.10.94	15:00:14	43.580	148.218	30	5.3	66	6.041	B
280	07.10.94	15:24:03	42.877	146.063	24	5.4	65	7.029	B
281	08.10.94	05:28:26	43.319	146.676	26	5.4	66	7.017	B
281	08.10.94	09:54:34	43.873	148.171	9	5.4	66	6.967	B
281	08.10.94	12:13:49	43.219	147.742	59	5.4	66	6.96	B
281	08.10.94	21:44:07	-1.258	127.980	17	6.8	78	52.385	A
282	09.10.94	00:27:40	37.570	72.079	126	4.8	14	19.766	A
282	09.10.94	07:55:39	43.905	147.916	33	6.7	66	43.343	A
282	09.10.94	08:07:04	43.714	148.033	41	5.9	66	14.062	A
282	09.10.94	08:48:55	43.861	148.063	36	5.9	66	14.072	A
282	09.10.94	11:07:43	43.495	148.237	44	5.3	66	6.037	B
282	09.10.94	12:24:22	43.883	147.341	46	5.8	66	12.292	B
282	09.10.94	15:34:14	11.601	143.131	46	5.0	82	4.101	C
282	09.10.94	19:08:43	39.907	77.117	40	4.9	17	24.979	B

All events, registered by the CSN

282	09.10.94	20:25:08	43.843	147.967	35	5.2	66	5.268	B
283	10.10.94	10:31:44	43.042	147.519	33	5.3	66	6.051	B
283	10.10.94	21:06:53	51.484	-173.897	33	5.7	80	11.385	B
284	11.10.94	10:11:43	39.029	54.186	31	2.0	1	0.095	A
284	11.10.94	19:36:07	40.339	52.873	31	2.0	2	0.095	B
284	11.10.94	20:31:17	33.558	45.678	18	4.7	9	11.624	B
285	12.10.94	06:02:49	13.765	124.538	27	5.6	66	9.24	B
285	12.10.94	06:08:10	13.695	124.548	21	5.4	66	6.973	C
285	12.10.94	06:43:39	13.773	124.529	16	6.4	66	28.426	B
286	13.10.94	05:04:24	-1.212	127.912	11	6.4	78	29.84	A
286	13.10.94	11:22:23	43.821	54.166	31	3.6	4	3.831	B
286	13.10.94	12:03:18	43.406	146.840	33	5.2	66	5.295	B
286	13.10.94	23:19:57	40.381	52.975	33	4.3	1	6.394	A
287	14.10.94	10:16:32	22.397	121.640	141	5.2	59	7.312	B
287	14.10.94	20:08:06	43.308	147.205	33	5.4	66	6.99	B
289	16.10.94	01:00:37	38.066	52.778	31	2.5	2	0.336	B
289	16.10.94	05:10:00	45.749	149.167	117	6.8	66	84.365	A
289	16.10.94	10:09:52	38.089	56.703	33	4.5	2	8.503	A
289	16.10.94	15:54:47	40.274	55.019	31	2.2	1	0.144	A
290	17.10.94	13:54:59	43.493	146.892	33	5.2	66	5.296	C
291	18.10.94	10:42:55	43.439	147.329	33	5.2	66	5.278	C
291	18.10.94	17:12:50	43.576	147.097	60	5.9	66	14.143	A
292	19.10.94	14:39:30	37.192	72.901	34	4.6	15	13.71	B
294	21.10.94	05:06:21	36.391	69.708	47	5.5	12	42.068	A
294	21.10.94	11:26:18	36.410	71.156	237	4.8	14	17.25	C
294	21.10.94	11:46:27	38.250	56.955	33	4.9	2	14.918	A
294	21.10.94	22:09:20	42.301	55.544	31	3.3	3	2.122	A
297	24.10.94	19:26:27	43.084	147.096	57	5.4	66	6.986	B
298	25.10.94	00:54:34	36.359	70.957	239	6.2	13	124.022	A
298	25.10.94	13:30:26	43.771	147.698	35	5.4	66	6.986	B
300	27.10.94	01:22:07	37.877	52.048	31	3.1	3	1.322	B
300	27.10.94	17:45:58	43.515	-127.427	20	6.3	97	10.985	B
300	27.10.94	22:20:28	-25.778	179.339	519	6.7	132	5.848	A
301	28.10.94	23:10:26	39.119	54.412	31	0.8	0	0.007	B
301	28.10.94	23:51:12	24.759	122.208	33	5.6	58	10.146	A
303	30.10.94	06:06:27	-28.032	26.738	5	5.6	72	9.066	C
303	30.10.94	08:11:29	-6.183	129.446	264	5.9	83	33.682	B
304	31.10.94	11:48:13	3.019	96.192	29	6.2	53	25.07	B
304	31.10.94	23:58:11	39.023	54.200	31	1.0	1	0.011	A
306	02.11.94	01:43:55	5.099	118.643	55	5.7	67	10.516	B
306	02.11.94	12:31:01	38.152	48.315	10	5.0	5	17.372	A
307	03.11.94	11:43:33	28.260	52.203	33	4.9	11	16.903	C
307	03.11.94	20:41:16	42.326	53.958	31	3.3	3	2.122	B
308	04.11.94	01:13:20	-9.379	-71.334	591	5.9	123	1.901	B
309	05.11.94	02:16:03	-57.193	157.858	25	6.5	129	2.786	B
313	09.11.94	18:21:02	43.556	147.144	54	5.8	66	12.284	A
317	13.11.94	06:56:00	36.910	29.060	10	5.4	20	59.357	C
317	13.11.94	07:58:15	37.033	28.909	10	4.3	20	12.502	C
317	13.11.94	08:15:21	36.952	29.046	10	4.7	20	22.207	C
318	14.11.94	19:15:30	13.525	121.067	32	7.1	64	78.218	A
319	15.11.94	20:18:11	-5.589	110.186	561	6.5	68	131.937	A
319	15.11.94	20:39:37	47.451	154.927	12	5.6	68	9.024	B
324	20.11.94	14:31:02	35.335	39.557	29	5.4	12	36.595	B
324	20.11.94	16:59:05	-2.001	135.932	16	6.2	85	20.617	B
324	20.11.94	18:34:15	39.824	53.977	31	1.6	1	0.042	B

All events, registered by the CSN

324	20.11.94	18:34:34	4.330	97.591	153	6.1	52	29.923	B
325	21.11.94	08:16:34	25.540	96.657	14	5.9	38	24.526	B
325	21.11.94	18:52:30	-5.437	147.229	176	5.3	96	3.391	A
325	21.11.94	18:55:16	35.902	51.884	33	4.5	4	8.575	C
326	22.11.94	11:11:57	43.961	147.293	49	5.6	66	9.289	B
328	24.11.94	07:46:53	39.219	54.065	31	1.2	0	0.017	A
328	24.11.94	22:24:02	42.253	71.064	33	4.6	13	12.213	C
330	26.11.94	18:51:55	39.359	54.174	31	0.8	0	0.007	B
331	27.11.94	21:18:41	37.747	67.788	33	4.6	11	10.545	A
333	29.11.94	14:30:28	38.707	20.484	21	5.1	26	15.483	B
337	03.12.94	01:35:51	37.643	49.349	33	4.8	4	13.083	A
016	16.01.95	18:14:49	51.300	179.170	20	5.3	77	24.669	B
016	16.01.95	18:42:16	51.260	179.160	18	5.1	77	15.57	B
016	16.01.95	20:46:50	34.630	134.900	0	5.7	62	61.764	A
018	18.01.95	14:38:59	36.400	71.270	217	4.3	13	13.805	B
019	19.01.95	15:05:10	5.110	-73.020	61	5.5	110	3.316	B
020	20.01.95	03:35:48	43.470	146.620	70	5.1	65	14.922	B
020	20.01.95	15:48:59	1.120	126.180	19	5.4	75	31.613	B
021	21.01.95	06:56:36	40.530	143.650	46	4.6	65	4.739	B
021	21.01.95	07:30:17	2.530	126.910	0	6.0	74	125.305	B
021	21.01.95	07:39:45	47.970	75.050	0	6.0	17	975.292	B
021	21.01.95	08:47:31	43.460	146.610	63	5.7	65	59.407	A
021	21.01.95	16:01:22	-7.080	129.320	151	5.4	82	53.52	B
024	24.01.95	04:14:22	27.740	55.680	0	4.6	11	27.624	C
025	25.01.95	17:33:50	30.590	51.720	0	4.0	9	5.433	A
026	26.01.95	07:00:46	36.060	71.320	99	5.1	13	113.848	A
027	27.01.95	18:34:46	-2.270	138.720	0	3.9	86	0.862	B
027	27.01.95	20:16:48	-4.510	135.160	0	5.3	85	22.316	A
029	29.01.95	01:20:12	36.840	71.510	111	4.9	13	62.606	A
029	29.01.95	04:16:50	39.280	40.820	0	4.7	6	28.26	B
029	29.01.95	04:53:40	29.180	141.050	72	5.0	69	11.643	B
030	30.01.95	22:37:10	37.340	70.320	370	3.8	12	7.07	B
032	01.02.95	20:31:01	39.029	54.186	31	1.8	1	0.063	A
033	02.02.95	12:33:54	-1.390	127.730	0	5.7	77	61.758	B
033	02.02.95	12:53:53	10.770	-42.680	0	5.1	84	14.493	B
033	02.02.95	19:34:45	39.190	67.530	0	4.5	10	22.387	A
034	03.02.95	02:31:35	-62.690	155.770	0	5.1	129	1.259	C
034	03.02.95	15:40:50	-3.340	135.520	0	5.5	85	35.757	B
034	03.02.95	22:29:07	34.410	25.110	0	4.8	20	61.231	B
035	04.02.95	17:25:01	-13.840	66.020	0	4.8	54	8.523	C
036	05.02.95	22:59:06	2.930	126.880	0	4.9	74	9.921	A
037	06.02.95	21:19:52	44.278	50.670	31	3.8	7	5.888	A
039	08.02.95	18:40:30	4.200	-76.580	106	5.6	113	3.162	C
039	08.02.95	21:24:49	40.410	28.120	0	4.3	15	19.697	B
041	10.02.95	01:45:24	-38.010	178.170	192	4.8	136	0.501	B
041	10.02.95	07:49:14	36.090	69.100	0	4.6	11	32.319	B
041	10.02.95	08:15:50	37.380	15.280	0	4.2	26	6.592	C
041	10.02.95	20:35:00	39.742	53.925	31	1.6	2	0.042	A
043	12.02.95	20:13:38	59.760	-153.240	115	4.8	78	15.689	C
044	13.02.95	08:41:12	-1.350	127.570	0	5.4	77	30.9	B
044	13.02.95	08:43:41	-1.370	127.570	35	5.6	77	48.981	B
044	13.02.95	12:29:54	-1.410	127.250	21	5.5	77	38.81	B
044	13.02.95	13:04:13	-1.350	127.690	0	5.2	77	19.517	B
044	13.02.95	13:06:44	-1.410	127.380	0	5.4	77	30.863	B
044	13.02.95	13:16:34	40.720	22.640	0	4.5	20	30.664	C

All events, registered by the CSN

044	13.02.95	13:52:03	-1.190	127.660	0	5.3	77	24.534	B
044	13.02.95	15:04:28	-1.430	127.400	33	5.7	77	61.6	A
044	13.02.95	15:11:25	-1.420	127.520	64	5.2	77	19.498	C
044	13.02.95	15:13:10	-1.160	129.930	0	5.2	79	19.874	B
045	14.02.95	12:47:39	35.930	34.880	36	4.4	12	19.871	C
045	14.02.95	17:41:02	44.830	153.020	0	5.1	68	14.393	B
045	14.02.95	20:47:42	44.120	147.820	34	5.3	66	23.541	A
047	16.02.95	13:02:17	34.580	26.690	0	4.7	18	44.888	B
047	16.02.95	19:21:13	39.322	54.871	31	1.2	2	0.017	A
050	19.02.95	04:03:22	40.670	-125.700	40	5.3	98	9.166	B
050	19.02.95	04:45:53	43.220	146.610	44	5.4	65	29.731	B
050	19.02.95	05:36:09	37.420	46.570	0	4.6	4	20.601	C
050	19.02.95	20:57:46	-1.550	127.720	76	5.2	78	19.552	B
051	20.02.95	04:12:27	39.200	71.060	42	5.0	12	84.094	A
051	20.02.95	04:49:52	39.380	54.390	0	3.9	0	4.069	A
051	20.02.95	05:10:30	39.363	54.171	31	1.6	2	0.042	A
051	20.02.95	07:12:25	39.259	54.461	31	1.2	2	0.017	A
051	20.02.95	08:07:36	41.160	72.500	36	4.7	13	44.256	B
051	20.02.95	17:01:29	39.579	53.830	31	1.6	2	0.042	A
051	20.02.95	23:39:01	39.276	54.505	31	1.6	2	0.042	A
052	21.02.95	02:09:53	46.010	151.370	39	5.1	67	14.664	B
054	23.02.95	05:01:22	39.790	143.690	0	5.0	65	11.848	B
054	23.02.95	05:18:57	24.160	121.510	0	5.4	57	32.667	B
054	23.02.95	21:03:03	35.190	32.330	12	5.5	14	288.317	A
054	23.02.95	21:40:33	35.180	32.400	12	5.2	14	144.027	B
054	23.02.95	21:43:57	38.670	33.370	0	4.3	12	16.377	C
055	24.02.95	03:28:11	39.432	53.962	31	1.2	2	0.017	A
056	25.02.95	09:42:41	40.100	77.290	160	4.3	17	15.672	B
058	27.02.95	12:27:59	-7.300	128.460	150	4.8	82	13.913	C
059	28.02.95	10:24:16	38.010	72.930	139	4.2	14	12.533	B
059	28.02.95	12:18:31	38.913	54.499	31	2.4	1	0.265	A
059	28.02.95	15:29:32	41.752	54.297	31	3.2	4	1.675	A
060	01.03.95	02:04:26	55.680	161.220	101	5.1	66	27.325	B
061	02.03.95	15:36:14	38.981	54.008	31	0.8	1	0.007	A
062	03.03.95	06:53:45	39.766	54.387	31	2.0	2	0.095	A
063	04.03.95	01:59:15	39.303	54.864	31	2.3	2	0.21	A
066	07.03.95	03:58:09	36.710	27.680	0	4.6	17	33.634	C
066	07.03.95	23:10:32	39.003	54.267	31	1.8	1	0.063	A
069	10.03.95	05:22:23	46.150	143.410	348	5.1	62	57.232	C
069	10.03.95	16:08:55	39.707	54.222	31	0.6	2	0.004	A
070	11.03.95	15:21:11	44.150	148.050	22	5.2	66	18.672	A
070	11.03.95	20:42:41	41.466	50.537	31	3.5	4	3.404	A
070	11.03.95	22:33:24	39.729	54.652	31	1.8	2	0.063	A
072	13.03.95	22:56:26	37.120	71.780	139	4.3	13	15.734	B
073	14.03.95	17:33:50	54.770	-161.280	22	5.5	81	38.888	B
074	15.03.95	19:05:39	39.202	54.082	31	1.2	2	0.017	A
074	15.03.95	21:26:40	39.097	53.881	31	1.7	1	0.051	A
075	16.03.95	03:27:03	30.520	67.370	0	4.7	13	36.503	C
075	16.03.95	04:48:00	39.254	54.333	31	1.8	2	0.063	A
075	16.03.95	10:05:00	39.551	54.149	31	0.4	2	0.003	B
075	16.03.95	22:00:14	10.970	93.570	124	4.1	44	2.898	C
076	17.03.95	09:01:57	39.972	52.726	31	0.5	2	0.003	A
076	17.03.95	12:05:50	39.103	56.023	31	2.0	1	0.099	B
077	18.03.95	14:11:09	37.370	71.600	250	3.7	13	3.466	B
077	18.03.95	16:54:42	36.277	54.334	31	1.8	1	0.063	B

All events, registered by the CSN

077	18.03.95	18:02:34	42.460	87.300	0	4.9	24	40.921	B
077	18.03.95	18:14:45	38.760	69.900	0	4.1	11	8.089	C
077	18.03.95	18:22:17	39.678	53.675	31	0.5	2	0.003	A
078	19.03.95	09:52:30	-6.340	131.480	0	5.4	83	29.18	C
078	19.03.95	16:58:23	36.460	71.010	269	4.0	13	6.988	B
078	19.03.95	18:34:04	-4.430	134.960	0	5.5	85	35.536	A
078	19.03.95	23:50:16	38.825	53.402	31	1.2	1	0.017	A
078	19.03.95	23:53:10	-4.180	135.140	0	5.9	85	89.309	A
079	20.03.95	08:14:53	-8.040	116.620	227	5.1	73	39.811	C
079	20.03.95	10:48:49	-4.270	135.180	0	5.2	85	17.783	B
079	20.03.95	22:00:25	41.255	54.712	31	2.0	4	0.095	A
080	21.03.95	07:35:45	39.515	54.042	31	0.6	2	0.004	A
080	21.03.95	07:43:59	36.450	71.220	235	4.0	13	6.936	B
081	22.03.95	00:44:54	36.430	70.170	292	3.8	12	4.541	C
081	22.03.95	06:28:44	30.400	51.140	79	4.2	8	8.307	B
081	22.03.95	09:12:21	-6.380	132.020	0	5.4	84	28.884	B
081	22.03.95	11:23:28	40.446	52.651	31	1.3	3	0.021	A
081	22.03.95	11:30:19	39.835	53.519	31	1.1	2	0.014	A
081	22.03.95	13:37:45	-4.040	135.160	0	5.3	85	22.472	C
081	22.03.95	15:01:35	-5.180	131.000	124	4.9	82	16.917	C
082	23.03.95	20:21:25	-4.050	135.370	0	5.2	85	17.781	C
083	24.03.95	11:52:42	32.710	76.200	94	4.3	18	19.891	B
083	24.03.95	21:01:52	37.110	72.060	0	4.3	13	14.632	C
084	25.03.95	11:23:28	34.090	48.310	0	4.3	6	10.348	B
084	25.03.95	21:24:08	39.844	54.643	31	0.8	2	0.007	A
085	26.03.95	01:35:42	36.821	57.042	31	2.3	1	0.21	B
085	26.03.95	05:21:22	54.860	-161.360	51	5.1	81	15.554	A
085	26.03.95	09:27:21	39.915	53.075	31	1.6	2	0.043	A
085	26.03.95	19:21:47	38.330	53.895	31	2.2	1	0.21	A
085	26.03.95	21:54:15	40.289	54.570	31	2.0	3	0.095	A
086	27.03.95	00:29:24	39.365	54.213	31	0.8	2	0.007	B
086	27.03.95	13:37:49	39.244	53.204	31	1.8	2	0.095	A
086	27.03.95	15:52:28	40.382	51.880	31	1.7	3	0.051	A
087	28.03.95	08:01:27	40.084	53.222	31	1.7	2	0.045	A
087	28.03.95	10:59:36	39.405	54.625	31	0.5	2	0.003	B
087	28.03.95	14:15:00	39.015	54.550	31	0.8	1	0.007	B
088	29.03.95	11:58:59	40.199	53.689	31	1.4	3	0.027	A
088	29.03.95	15:52:33	41.800	79.510	0	4.2	19	15.671	C
088	29.03.95	17:48:16	42.870	40.730	0	3.9	10	4.71	B
088	29.03.95	18:40:42	40.260	52.333	31	1.2	3	0.016	B
089	30.03.95	08:57:06	40.711	51.911	31	1.2	3	0.017	B
089	30.03.95	15:13:50	35.740	74.020	0	4.1	15	10.459	C
089	30.03.95	18:17:20	34.530	24.760	30	4.7	23	31.994	B
089	30.03.95	22:15:54	44.940	137.460	321	5.0	59	52.304	A
090	31.03.95	06:35:41	39.070	71.200	0	4.2	12	10.82	C
090	31.03.95	09:27:12	-4.360	134.850	18	5.1	85	14.189	C
090	31.03.95	11:35:38	39.818	54.064	31	1.4	2	0.027	A
090	31.03.95	14:01:42	38.160	135.090	367	5.5	60	156.346	A
091	01.04.95	03:49:35	37.910	139.160	14	5.2	63	19.233	A
091	01.04.95	05:50:22	52.360	159.000	45	5.3	67	23.082	B
091	01.04.95	16:45:17	40.521	53.221	31	0.9	3	0.008	A
091	01.04.95	19:13:33	37.613	54.209	31	2.6	0	1.322	A
092	02.04.95	18:09:55	29.070	52.590	0	4.1	9	7.02	C
093	03.04.95	03:54:07	41.353	53.368	31	1.6	4	0.042	B
093	03.04.95	10:17:46	39.450	52.784	31	1.6	2	0.036	A

All events, registered by the CSN

093	03.04.95	11:54:46	24.150	122.350	41	5.2	58	20.457	C
094	04.04.95	15:29:53	28.010	71.540	19	4.5	17	30.536	C
094	04.04.95	17:21:05	6.160	127.080	84	4.7	72	5.882	B
095	05.04.95	07:52:08	34.730	27.970	0	4.5	20	29.444	C
096	06.04.95	14:17:20	39.161	53.520	31	2.3	1	0.21	A
096	06.04.95	19:08:22	39.827	54.608	31	0.8	2	0.007	A
097	07.04.95	02:20:45	-0.260	124.080	0	4.9	74	9.531	C
097	07.04.95	09:18:56	40.311	53.322	31	1.0	3	0.01	A
097	07.04.95	22:07:04	-15.200	-173.580	67	5.9	131	7.943	A
098	08.04.95	01:23:52	-15.210	-173.080	0	5.4	132	2.512	C
098	08.04.95	17:45:18	21.910	142.580	305	5.8	74	182.828	A
098	08.04.95	19:39:38	35.970	71.280	0	4.1	13	9.101	C
099	09.04.95	04:44:49	21.840	121.270	16	5.0	58	12.846	C
099	09.04.95	06:35:54	0.100	126.860	38	4.8	76	7.734	C
100	10.04.95	09:51:13	21.810	121.140	26	6.3	58	256.551	C
100	10.04.95	19:25:49	35.620	69.430	108	4.2	12	12.23	B
101	11.04.95	04:29:13	39.713	52.640	31	1.2	2	0.017	A
101	11.04.95	08:15:30	40.154	53.138	31	0.6	2	0.004	A
103	13.04.95	04:07:59	40.870	27.800	0	4.4	19	24.073	C
103	13.04.95	08:34:42	40.079	53.179	31	0.6	2	0.004	A
103	13.04.95	20:23:30	37.490	36.170	120	4.1	13	9.771	C
104	14.04.95	13:15:16	-60.661	-19.951	10	6.5	116	31.623	C
105	15.04.95	05:36:34	44.120	147.100	43	4.7	65	5.943	B
106	16.04.95	10:12:07	40.288	53.783	31	1.4	3	0.027	A
106	16.04.95	16:43:19	30.320	51.520	323	3.3	8	2.512	B
106	16.04.95	16:44:16	40.167	53.160	31	0.6	2	0.004	B
107	17.04.95	01:14:16	-8.530	156.600	0	5.4	104	5.571	C
107	17.04.95	07:14:35	33.790	-38.570	0	5.4	70	28.999	A
107	17.04.95	13:03:10	40.890	48.290	0	4.0	4	5.151	A
107	17.04.95	18:19:23	50.240	91.250	0	4.4	28	7.984	C
107	17.04.95	23:28:10	45.930	151.190	29	5.5	67	36.86	A
108	18.04.95	03:49:38	-2.060	140.480	20	5.5	88	33.361	B
108	18.04.95	05:23:59	45.860	151.280	24	5.1	67	14.659	A
108	18.04.95	05:36:02	40.960	27.770	0	4.4	19	24.018	C
108	18.04.95	06:12:38	31.850	49.700	18	4.7	7	26.13	B
108	18.04.95	09:25:41	40.655	53.459	31	1.2	3	0.017	B
108	18.04.95	15:50:59	36.090	70.860	0	4.2	13	11.194	C
108	18.04.95	16:23:36	-54.231	-136.682	10	5.2	162	1.585	C
108	18.04.95	19:01:30	7.370	134.760	0	4.9	77	9.887	B
109	19.04.95	03:50:07	44.100	148.020	31	5.2	66	18.671	A
109	19.04.95	20:57:50	38.554	57.212	31	3.1	1	1.322	A
109	19.04.95	20:59:30	40.329	53.080	31	1.4	3	0.027	B
109	19.04.95	22:53:42	39.994	53.781	31	2.0	2	0.095	A
110	20.04.95	08:45:12	6.330	126.960	89	5.7	72	58.687	A
110	20.04.95	20:49:10	45.950	151.120	21	5.0	67	11.663	B
111	21.04.95	00:02:49	11.910	125.740	22	5.3	68	23.039	A
111	21.04.95	00:09:56	11.980	125.740	18	5.6	67	45.991	A
111	21.04.95	00:30:10	11.920	125.590	0	5.5	67	36.566	B
111	21.04.95	00:34:44	12.060	125.520	0	5.8	67	73.076	A
111	21.04.95	00:43:46	12.050	125.320	0	4.7	67	5.815	B
111	21.04.95	01:24:07	12.230	125.580	33	4.7	67	5.808	B
111	21.04.95	02:16:06	11.740	125.750	42	4.6	68	4.591	B
111	21.04.95	02:23:15	12.240	125.560	23	4.9	67	9.208	B
111	21.04.95	05:16:59	12.060	125.720	0	5.6	67	46.025	A
111	21.04.95	05:25:48	12.110	126.030	0	5.1	68	14.519	C

All events, registered by the CSN

111	21.04.95	10:01:51	39.899	52.760	31	0.7	2	0.005	A
111	21.04.95	12:47:43	12.110	125.460	23	4.7	67	5.81	C
111	21.04.95	17:03:13	11.990	125.870	0	4.9	68	9.166	C
112	22.04.95	00:21:48	31.020	49.970	12	4.8	8	33.008	A
112	22.04.95	00:28:49	30.250	48.780	0	4.0	9	5.362	C
112	22.04.95	02:27:54	30.980	49.980	0	4.0	8	5.232	C
112	22.04.95	11:18:25	11.760	125.880	21	4.9	68	9.151	C
113	23.04.95	02:55:59	51.370	179.690	33	5.7	77	62.252	A
113	23.04.95	05:07:59	12.410	125.480	0	5.7	67	58.209	A
113	23.04.95	05:30:24	11.720	126.040	0	5.1	68	14.478	C
113	23.04.95	06:38:12	5.950	124.040	523	4.9	70	37.367	B
113	23.04.95	07:21:16	12.370	125.570	0	5.2	67	18.387	B
113	23.04.95	14:07:51	12.300	125.650	12	4.9	67	9.204	B
113	23.04.95	14:22:31	12.300	125.710	0	4.8	67	7.307	C
113	23.04.95	20:28:45	12.390	125.500	0	4.9	67	9.223	B
114	24.04.95	00:40:17	35.904	52.761	31	3.0	2	1.096	B
114	24.04.95	01:37:15	37.236	54.244	31	2.7	0	0.54	B
114	24.04.95	06:08:10	12.150	125.890	29	4.9	67	9.175	B
114	24.04.95	16:13:12	22.770	102.770	21	4.3	43	3.539	C
114	24.04.95	17:04:43	12.470	125.460	0	5.1	67	14.63	B
114	24.04.95	20:06:43	39.077	54.432	31	1.2	1	0.017	A
115	25.04.95	06:15:06	-5.880	147.460	47	5.3	95	12.035	C
115	25.04.95	09:12:43	12.270	125.180	0	5.2	67	18.439	B
115	25.04.95	10:24:52	40.116	53.133	31	0.7	2	0.005	A
115	25.04.95	13:32:46	40.220	144.470	0	4.4	66	2.966	B
115	25.04.95	20:41:17	37.200	71.850	190	3.9	13	6.166	B
116	26.04.95	11:46:08	36.860	49.420	0	4.3	4	10.235	A
117	27.04.95	02:35:13	-20.160	67.660	0	4.4	59	3.196	C
117	27.04.95	05:38:04	39.715	53.174	31	0.7	2	0.005	A
117	27.04.95	12:57:56	56.750	25.760	0	3.7	24	2.618	C
117	27.04.95	13:28:15	-7.750	126.570	312	4.7	81	13.56	C
118	28.04.95	01:00:23	38.900	70.230	0	3.9	12	5.179	B
118	28.04.95	16:30:05	44.130	147.820	48	5.7	66	59.136	A
118	28.04.95	17:08:45	44.130	147.950	37	5.0	66	11.788	A
118	28.04.95	17:44:13	-2.000	55.610	0	4.6	40	7.973	B
118	28.04.95	21:46:29	43.690	148.150	0	4.5	66	3.713	C
119	29.04.95	04:35:28	44.080	147.810	35	4.7	66	5.912	B
119	29.04.95	09:43:56	11.860	126.090	0	5.4	68	28.904	A
119	29.04.95	11:16:02	39.791	52.892	31	0.7	2	0.005	C
119	29.04.95	13:51:21	39.338	52.748	31	1.8	2	0.063	A
120	30.04.95	01:09:14	11.880	126.020	7	5.1	68	14.497	B
120	30.04.95	01:29:36	11.830	125.900	0	4.8	68	7.271	C
120	30.04.95	04:29:42	34.960	25.830	51	3.8	22	4.661	B
121	01.05.95	00:18:51	38.740	52.762	31	3.5	1	3.404	A
121	01.05.95	05:31:48	33.520	48.790	0	3.9	6	4.122	B
122	02.05.95	03:54:10	43.290	147.310	50	5.0	66	11.782	A
122	02.05.95	06:06:08	-3.790	-76.940	107	5.8	122	5.012	A
122	02.05.95	06:19:41	43.210	146.940	0	4.7	66	5.918	C
122	02.05.95	11:48:08	43.870	84.890	0	5.3	23	134.002	A
122	02.05.95	22:06:09	39.704	54.650	31	2.7	2	0.54	A
123	03.05.95	02:49:49	28.430	52.790	0	4.6	9	23.129	B
123	03.05.95	21:35:07	37.637	54.146	31	2.0	0	0.095	B
123	03.05.95	21:36:52	40.580	23.640	0	4.4	22	17.878	C
123	03.05.95	21:43:25	40.620	23.710	0	4.5	22	22.704	B
124	04.05.95	00:34:15	40.630	23.600	42	4.4	22	17.816	A

All events, registered by the CSN

124	04.05.95	02:18:50	1.900	128.640	32	5.6	76	48.893	A
124	04.05.95	15:00:12	19.650	122.180	38	4.5	60	3.973	B
124	04.05.95	16:03:47	35.770	27.430	131	4.3	21	15.202	B
125	05.05.95	03:53:44	12.630	125.240	0	5.3	67	23.259	A
125	05.05.95	04:21:25	11.970	125.930	0	4.5	68	3.647	B
125	05.05.95	04:39:09	12.590	125.180	13	5.1	67	14.679	B
125	05.05.95	07:52:33	12.580	125.110	0	4.6	67	4.645	C
125	05.05.95	09:17:28	13.580	51.480	0	4.8	24	33.315	A
125	05.05.95	10:09:00	-8.860	110.370	0	5.1	70	14.459	B
125	05.05.95	10:58:30	40.580	52.766	31	1.2	3	0.016	B
125	05.05.95	13:01:41	-10.230	118.980	28	5.2	77	19.708	A
125	05.05.95	17:19:18	-8.700	111.090	56	5.2	70	18.28	A
125	05.05.95	22:48:08	-18.440	168.790	132	5.5	120	2.512	C
126	06.05.95	01:59:09	24.910	95.340	119	6.0	37	283.052	A
126	06.05.95	12:19:06	38.815	53.870	31	1.8	1	0.063	B
126	06.05.95	14:08:51	59.800	23.430	0	3.9	27	2.776	C
126	06.05.95	18:53:00	37.918	54.951	31	3.0	0	1.096	A
128	08.05.95	05:11:09	38.500	22.193	26	4.6	24	22.682	C
128	08.05.95	14:46:35	12.155	125.639	33	5.1	67	14.575	C
128	08.05.95	17:40:25	43.884	148.413	34	5.2	66	18.595	A
128	08.05.95	17:40:53	43.770	148.317	33	5.5	66	37.101	A
128	08.05.95	18:05:10	11.553	126.124	36	5.5	68	36.298	A
128	08.05.95	18:07:29	11.588	125.970	33	5.3	68	22.94	A
128	08.05.95	18:08:09	11.567	125.900	33	6.3	68	229.507	A
128	08.05.95	19:36:40	11.533	125.925	36	5.1	68	14.474	B
129	09.05.95	01:14:37	40.820	20.664	10	4.8	24	32.323	B
129	09.05.95	09:45:19	38.571	56.477	31	3.5	1	3.404	A
129	09.05.95	09:54:20	25.260	95.136	92	5.2	36	33.038	B
129	09.05.95	12:29:57	-53.980	-134.314	10	5.9	163	7.943	C
130	10.05.95	22:45:57	37.875	20.731	10	4.1	25	5.933	B
130	10.05.95	23:21:30	11.540	126.049	33	4.8	68	7.247	B
131	11.05.95	17:46:39	41.557	81.872	14	4.9	20	74.39	B
131	11.05.95	21:17:11	12.805	125.555	33	4.6	67	4.633	C
132	00.01.00	06:57:44	35.887	54.252	31	2.2	2	0.144	A
133	13.05.95	07:08:26	39.517	54.590	31	2.0	2	0.095	A
133	13.05.95	07:20:41	40.750	50.635	33	4.8	2	32.277	A
133	13.05.95	08:47:12	40.144	21.684	13	6.6	24	2249.925	A
133	13.05.95	10:12:03	40.725	21.351	10	4.2	24	8.75	C
133	13.05.95	11:43:28	40.138	21.644	10	5.0	24	56.253	A
133	13.05.95	17:54:52	39.999	21.549	10	4.3	24	11.064	C
133	13.05.95	18:05:58	40.060	21.546	10	4.8	24	35.032	B
133	13.05.95	19:00:47	40.136	21.570	10	4.7	24	27.957	B
133	13.05.95	21:00:54	-5.215	108.917	554	5.9	66	406.878	A
133	13.05.95	22:38:49	76.633	5.253	10	4.8	42	11.794	B
133	13.05.95	23:56:25	40.035	21.658	10	4.9	24	44.634	B
134	14.05.95	01:02:57	40.097	21.554	10	4.3	24	11.099	C
134	14.05.95	02:38:55	40.158	21.487	10	4.4	24	13.889	C
134	14.05.95	02:46:58	40.138	21.540	10	4.7	24	27.864	B
134	14.05.95	03:02:26	40.058	21.619	10	4.5	24	17.702	C
134	14.05.95	03:09:35	40.123	21.607	10	4.5	24	17.708	B
134	14.05.95	04:47:01	40.124	70.691	33	4.8	12	41.64	B
134	14.05.95	05:59:15	40.078	21.578	10	4.6	24	22.194	B
134	14.05.95	09:45:39	40.207	21.721	10	4.4	24	14.278	B
134	14.05.95	11:33:21	-8.396	125.083	33	7.1	80	1583.917	A
134	14.05.95	12:25:55	-8.715	125.248	33	5.3	80	24.958	C

All events, registered by the CSN

134	14.05.95	22:33:47	39.957	77.610	33	5.0	17	92.767	A
135	15.05.95	00:16:50	38.390	49.450	0	4.7	3	25.646	A
135	15.05.95	00:21:39	37.350	50.500	0	4.1	3	6.428	B
135	15.05.95	04:05:59	41.630	88.870	0	5.7	26	214.948	A
135	15.05.95	04:14:04	40.300	21.510	71	4.3	24	11.101	A
135	15.05.95	20:04:10	11.080	126.310	22	4.9	68	9.072	B
135	15.05.95	20:21:50	13.090	49.650	0	4.7	25	23.712	B
136	16.05.95	01:42:53	84.260	0.010	46	4.2	47	2.507	B
136	16.05.95	02:19:48	39.643	53.098	31	0.7	2	0.005	B
136	16.05.95	03:35:04	36.440	70.950	192	5.3	13	154.564	A
136	16.05.95	04:37:36	40.110	21.460	66	4.3	24	10.985	B
136	16.05.95	12:00:33	38.997	54.292	31	1.0	1	0.011	A
136	16.05.95	14:30:24	31.460	55.860	0	4.7	6	26.165	A
136	16.05.95	17:57:50	40.210	22.530	0	4.3	23	12.426	B
136	16.05.95	20:12:49	-22.950	169.920	59	6.1	123	12.589	A
136	16.05.95	21:48:05	17.830	96.470	0	5.3	41	37.888	A
136	16.05.95	22:31:12	43.490	147.710	33	4.7	66	5.895	B
136	16.05.95	22:38:08	43.480	147.850	0	4.8	66	7.414	B
136	16.05.95	23:00:40	40.110	21.560	0	4.7	24	27.907	B
136	16.05.95	23:07:57	43.550	147.660	0	4.4	66	2.957	C
136	16.05.95	23:57:30	40.130	21.590	25	4.6	24	22.254	A
137	17.05.95	00:05:09	36.610	23.390	0	4.2	23	9.606	B
137	17.05.95	04:14:26	40.110	21.660	18	5.0	24	56.313	A
137	17.05.95	04:49:40	39.808	57.143	31	2.5	2	0.299	B
137	17.05.95	05:16:53	12.590	125.550	0	4.9	67	9.231	B
137	17.05.95	09:45:07	40.050	21.690	0	4.9	24	44.813	B
137	17.05.95	11:30:19	39.990	19.560	0	4.1	25	5.577	C
137	17.05.95	19:33:41	12.390	125.520	0	4.9	67	9.221	B
137	17.05.95	21:15:06	39.646	53.957	31	2.2	2	0.144	A
138	18.05.95	00:06:30	-0.940	-22.120	24	5.4	79	31.445	A
138	18.05.95	00:51:58	38.380	45.750	0	4.2	6	8.218	B
138	18.05.95	02:05:48	34.179	54.577	31	0.9	3	0.008	A
138	18.05.95	03:51:52	37.234	53.863	31	0.9	0	0.007	B
138	18.05.95	14:31:15	44.320	147.320	100	5.1	65	25.569	B
138	18.05.95	14:47:27	55.440	19.070	0	4.5	27	10.895	C
138	18.05.95	21:12:31	2.450	116.840	0	4.7	67	5.845	C
139	19.05.95	06:48:49	40.080	21.720	0	4.7	24	28.393	A
139	19.05.95	12:02:39	40.022	53.120	31	0.7	2	0.005	A
139	19.05.95	16:27:30	4.630	125.590	166	4.7	72	12.058	B
139	19.05.95	17:09:17	-6.070	130.540	146	5.1	83	26.429	B
139	19.05.95	19:40:45	38.466	53.866	31	2.0	1	0.095	B
139	19.05.95	21:24:54	37.062	53.158	31	3.2	1	1.488	B
139	19.05.95	21:30:05	-1.330	120.240	0	5.2	72	18.556	A
139	19.05.95	21:35:28	-0.990	120.620	0	4.9	72	9.306	B
140	20.05.95	01:08:01	39.221	53.868	31	1.6	2	0.042	A
140	20.05.95	16:18:35	31.270	46.230	0	4.1	10	6.903	B
140	20.05.95	20:09:29	40.040	21.730	0	4.3	24	11.304	C
140	20.05.95	21:06:23	40.060	21.610	0	4.2	24	8.863	C
141	21.05.95	04:04:21	40.090	22.070	0	4.1	24	7.421	C
141	21.05.95	19:19:56	52.490	160.660	0	4.7	68	5.748	B
142	22.05.95	04:02:50	-9.660	151.800	0	5.3	101	6.723	C
142	22.05.95	17:24:58	37.592	55.236	31	2.7	0	0.457	B
143	23.05.95	03:03:33	35.480	22.760	0	4.5	24	16.892	B
143	23.05.95	10:01:32	43.760	141.760	32	5.1	62	15.481	A
143	23.05.95	15:48:07	51.200	-177.270	35	4.9	79	9.939	B

All events, registered by the CSN

143	23.05.95	21:32:01	12.240	125.640	0	4.6	67	4.612	C
143	23.05.95	22:10:11	-55.830	-3.600	0	5.1	106	2.243	A
144	24.05.95	11:02:13	61.060	-150.410	61	5.1	77	15.714	B
144	24.05.95	17:32:36	38.533	52.257	31	3.7	1	5.08	A
144	24.05.95	20:21:21	12.280	125.760	0	5.2	67	18.345	A
145	25.05.95	04:59:48	44.040	147.140	38	5.1	65	14.918	B
145	25.05.95	09:04:56	39.950	70.360	0	4.3	12	12.969	B
145	25.05.95	09:11:40	40.100	143.210	72	4.7	65	5.971	A
145	25.05.95	09:42:46	34.580	70.120	150	4.0	13	7.751	C
145	25.05.95	11:53:03	40.070	52.778	31	0.8	2	0.007	A
146	26.05.95	03:11:10	12.080	57.890	0	4.8	26	26.723	A
147	27.05.95	00:28:25	39.369	53.924	31	1.1	2	0.012	B
147	27.05.95	08:34:32	30.520	51.000	0	4.5	8	16.567	B
147	27.05.95	13:03:52	52.660	142.720	0	5.8	59	80.71	A
147	27.05.95	18:11:23	22.980	121.280	113	4.8	58	10.56	B
147	27.05.95	18:19:12	36.180	21.880	56	4.1	25	6.292	C
147	27.05.95	21:21:27	38.910	48.940	0	4.8	3	32.336	A
148	28.05.95	02:02:50	52.900	142.860	0	4.7	59	6.413	C
148	28.05.95	21:46:52	47.650	85.660	0	4.4	24	14.675	A
149	29.05.95	04:58:34	35.130	32.360	13	5.2	17	144.466	A
149	29.05.95	10:21:30	52.710	142.770	0	4.9	59	10.16	B
149	29.05.95	14:02:34	32.330	141.740	39	4.5	68	3.634	B
150	30.05.95	04:12:44	29.450	138.500	469	5.0	67	41.672	C
150	30.05.95	20:57:17	36.737	56.064	31	3.9	1	7.913	B
151	31.05.95	13:51:17	30.270	68.000	0	5.1	13	95.118	A
151	31.05.95	18:39:37	40.434	52.529	31	1.2	3	0.017	A
151	31.05.95	20:44:13	28.210	53.360	31	4.7	10	29.541	B
153	02.06.95	01:38:35	39.463	53.940	31	2.5	2	0.336	B
153	02.06.95	05:10:46	38.011	54.724	31	3.2	0	1.675	A
153	02.06.95	19:07:20	-31.760	-71.330	46	5.2	135	1.585	B
154	03.06.95	11:57:32	3.040	96.190	31	5.1	51	17.652	B
154	03.06.95	20:08:29	35.780	53.060	0	4.0	2	5.11	A
155	04.06.95	01:39:28	39.845	52.374	31	2.4	2	0.265	A
155	04.06.95	05:54:02	37.853	55.922	31	3.8	0	7.031	B
155	04.06.95	07:20:07	39.908	56.398	31	3.9	2	8.906	B
155	04.06.95	16:07:59	39.575	54.814	31	1.2	2	0.017	B
156	05.06.95	01:39:28	40.276	54.817	31	2.7	3	0.54	A
156	05.06.95	05:20:17	39.410	20.410	0	4.4	25	12.04	B
156	05.06.95	20:20:15	18.410	120.950	20	5.3	59	25.425	B
156	05.06.95	23:15:51	12.380	57.900	53	4.5	25	14.003	B
157	06.06.95	00:03:02	26.590	67.400	0	4.3	15	17.539	A
157	06.06.95	04:04:54	60.310	-146.470	0	4.9	79	9.953	B
157	06.06.95	04:36:04	40.200	21.980	54	4.4	24	14.699	B
157	06.06.95	12:33:33	38.195	50.115	31	3.7	1	5.232	A
157	06.06.95	13:43:59	7.220	123.790	0	4.9	68	9.136	B
158	07.06.95	23:09:48	32.680	48.900	21	4.7	7	26.108	A
160	09.06.95	13:19:40	39.725	52.688	31	1.2	2	0.017	A
162	11.06.95	19:20:47	11.710	125.650	0	4.8	67	7.367	B
162	11.06.95	21:55:45	32.490	69.660	0	5.0	12	74.295	A
164	13.06.95	10:42:46	53.090	142.790	49	4.8	58	8.106	C
164	13.06.95	21:35:03	52.980	142.680	26	4.7	58	6.44	C
165	14.06.95	05:42:28	35.960	58.170	0	4.1	3	6.479	A
165	14.06.95	05:43:21	38.212	55.081	31	4.3	1	18.012	A
165	14.06.95	11:15:05	12.100	-88.040	31	5.3	117	1.995	A
166	15.06.95	00:15:48	38.480	22.450	7	5.6	24	233.405	A

All events, registered by the CSN

166	15.06.95	00:31:04	38.460	22.480	25	5.0	24	58.789	A
166	15.06.95	04:51:18	38.430	22.540	0	4.4	24	14.853	B
166	15.06.95	06:36:12	-6.330	125.840	539	5.2	78	95.494	B
166	15.06.95	08:47:50	39.058	57.613	31	3.8	1	5.888	B
166	15.06.95	18:37:36	38.710	69.940	90	4.2	11	10.209	A
166	15.06.95	21:21:18	39.550	67.020	81	3.9	8	4.392	B
167	16.06.95	09:12:39	37.060	71.660	236	4.0	12	7.205	B
167	16.06.95	13:49:49	-18.080	-178.060	558	5.6	129	6.31	B
167	16.06.95	21:11:09	28.280	68.330	76	3.8	14	5.287	B
168	17.06.95	01:37:08	-8.390	123.070	0	5.2	78	19.807	B
168	17.06.95	10:06:11	34.280	76.170	66	4.2	16	15.159	C
168	17.06.95	13:03:42	40.690	51.959	31	2.0	3	0.095	A
169	18.06.95	07:38:29	39.853	54.387	31	1.0	2	0.011	A
170	19.06.95	00:57:40	44.070	150.420	0	4.5	67	3.678	B
170	19.06.95	03:15:57	39.613	54.716	31	1.2	2	0.017	B
170	19.06.95	03:54:04	40.210	21.690	42	4.2	24	8.978	B
170	19.06.95	04:41:28	40.080	21.790	0	4.3	24	11.393	B
172	21.06.95	03:01:09	-6.830	150.840	103	4.1	98	0.653	B
172	21.06.95	09:53:30	38.750	26.450	93	3.8	20	5.891	C
172	21.06.95	11:22:45	35.903	54.916	31	3.3	2	2.122	B
172	21.06.95	15:28:52	-62.030	155.860	52	5.6	128	3.981	A
173	22.06.95	01:01:25	50.390	90.160	58	5.2	27	58.96	B
173	22.06.95	19:47:01	0.850	124.220	206	5.4	72	79.433	B
174	23.06.95	15:54:35	30.000	57.630	0	4.1	8	6.916	B
175	24.06.95	06:58:06	-3.880	153.820	375	6.3	98	161.886	A
176	25.06.95	02:10:36	-3.420	150.590	0	5.3	95	12.134	B
176	25.06.95	06:38:33	37.910	72.920	165	4.7	13	39.018	A
176	25.06.95	06:59:07	24.630	121.820	53	5.3	56	26.222	A
176	25.06.95	12:25:38	26.160	124.740	168	5.1	58	21.013	B
176	25.06.95	21:07:49	39.689	52.887	31	2.5	2	0.336	A
176	25.06.95	22:40:07	37.953	55.846	31	3.3	0	2.122	B
176	25.06.95	23:40:43	36.742	54.387	31	3.0	1	1.096	B
177	26.06.95	04:08:58	35.510	26.760	0	4.0	21	8.46	C
177	26.06.95	06:18:45	37.683	56.072	31	2.0	0	0.095	B
177	26.06.95	15:29:29	-6.500	103.390	0	4.3	63	2.439	C
177	26.06.95	21:12:52	36.150	51.050	0	4.1	3	6.452	A
177	26.06.95	23:27:31	39.790	48.360	0	4.4	4	12.966	A
178	27.06.95	00:46:39	39.810	48.310	0	4.2	4	8.182	A
178	27.06.95	05:16:35	-7.790	107.970	68	4.9	67	9.276	B
178	27.06.95	10:09:57	18.800	-81.770	0	5.1	108	1.734	B
178	27.06.95	16:47:15	-4.870	68.530	0	4.5	44	5.416	B
178	27.06.95	21:13:03	-17.240	66.850	43	4.6	56	5.244	B
179	28.06.95	06:30:17	39.010	54.440	31	4.0	1	10.633	A
179	28.06.95	21:14:46	-1.600	127.550	0	5.4	76	31.376	A
180	29.06.95	01:26:57	-33.800	-72.360	0	4.9	137	0.794	B
180	29.06.95	07:45:11	48.780	154.400	62	5.4	67	29.271	A
180	29.06.95	12:24:05	-19.450	169.320	149	5.8	120	5.012	A
180	29.06.95	15:16:44	35.240	139.010	165	4.5	64	6.232	B
180	29.06.95	21:00:14	36.614	55.669	31	3.3	1	2.122	A
180	29.06.95	23:02:26	51.810	103.350	0	4.9	35	16.788	A
180	29.06.95	23:03:44	21.980	99.210	0	4.9	40	15.83	B
180	29.06.95	23:13:12	17.150	43.560	0	4.3	23	13.193	B
181	30.06.95	11:58:56	24.621	-110.264	10	6.2	114	15.849	B
182	01.07.95	04:10:54	12.840	57.440	0	4.6	25	18.999	B
182	01.07.95	09:21:59	38.670	54.177	31	2.5	1	0.336	B

All events, registered by the CSN

182	01.07.95	23:20:43	37.897	55.787	31	2.5	0	0.336	A
183	02.07.95	09:46:40	45.036	50.262	31	4.4	7	26.71	B
183	02.07.95	12:17:25	39.658	53.934	31	1.6	2	0.042	A
183	02.07.95	13:25:43	40.885	54.784	31	0.8	3	0.007	A
183	02.07.95	19:57:43	35.855	54.728	31	2.5	2	0.336	A
183	02.07.95	20:26:57	36.734	53.533	31	3.0	1	1.096	A
183	02.07.95	23:53:23	35.080	139.390	122	5.1	64	25.15	A
184	03.07.95	00:34:17	39.160	41.300	0	4.3	9	11.757	B
184	03.07.95	02:36:50	36.410	70.800	272	3.8	12	4.658	B
184	03.07.95	11:13:20	40.095	52.668	31	0.8	2	0.007	A
184	03.07.95	12:01:48	12.830	145.050	0	5.1	81	15.48	B
184	03.07.95	14:56:03	37.382	56.480	31	3.0	0	1.096	B
184	03.07.95	19:50:58	-29.230	-177.670	97	5.6	135	3.981	A
184	03.07.95	19:55:36	-28.950	-177.100	0	5.6	135	3.981	A
184	03.07.95	21:56:44	-28.960	-177.430	0	5.6	135	3.981	A
185	04.07.95	03:28:52	7.500	126.540	143	4.3	70	4.763	C
185	04.07.95	06:30:33	40.034	54.166	31	1.6	2	0.042	A
185	04.07.95	07:18:04	40.537	52.514	31	1.6	3	0.042	A
185	04.07.95	09:04:41	11.500	125.950	0	4.3	67	2.32	A
185	04.07.95	16:40:39	30.330	94.950	56	4.2	33	3.445	B
185	04.07.95	20:11:05	39.241	53.838	31	1.2	2	0.017	A
185	04.07.95	20:16:46	23.450	143.060	0	4.8	73	7.522	B
186	05.07.95	00:13:26	34.720	26.710	46	3.9	21	6.403	B
186	05.07.95	00:13:27	40.064	54.624	31	1.8	2	0.063	A
187	06.07.95	00:06:54	39.696	52.496	31	2.2	2	0.144	A
187	06.07.95	13:51:33	39.571	53.015	31	3.9	2	7.913	A
187	06.07.95	15:58:50	17.860	145.310	510	4.5	78	18.84	B
187	06.07.95	16:45:06	38.510	49.200	0	4.0	3	5.144	A
188	07.07.95	03:04:44	23.870	121.320	0	4.9	56	10.438	B
188	07.07.95	07:03:43	52.830	142.710	0	4.7	58	6.434	B
188	07.07.95	21:15:19	33.900	137.020	329	5.3	63	85.506	A
189	08.07.95	03:16:30	31.020	56.110	0	3.5	7	1.655	B
189	08.07.95	05:42:56	39.610	143.500	27	5.1	65	15.006	A
189	08.07.95	11:39:06	4.360	62.610	0	4.7	34	10.707	B
189	08.07.95	11:44:42	4.350	62.640	0	4.8	34	13.476	B
189	08.07.95	17:15:26	53.680	-163.920	17	5.2	81	19.411	A
189	08.07.95	23:49:42	-24.030	-176.330	0	5.3	133	1.995	B
190	09.07.95	02:29:47	37.240	71.790	125	4.4	12	19.494	A
190	09.07.95	15:56:24	36.090	100.330	0	4.8	35	13.381	B
190	09.07.95	20:31:30	21.920	99.090	0	5.3	40	39.822	A
190	09.07.95	20:33:33	21.770	99.120	0	4.8	40	12.553	A
190	09.07.95	21:01:18	-5.510	132.460	0	4.9	83	9.413	C
191	10.07.95	02:42:41	12.290	141.420	121	4.5	79	7.942	B
192	11.07.95	09:38:51	36.030	70.930	145	3.7	12	3.885	B
192	11.07.95	21:46:38	21.890	99.080	0	5.6	40	79.446	A
192	11.07.95	23:45:42	29.950	69.320	0	4.4	14	20.325	C
193	12.07.95	09:38:12	2.500	116.960	0	5.2	66	18.691	B
193	12.07.95	15:47:08	-23.370	170.740	86	5.3	123	1.995	A
193	12.07.95	18:38:51	12.260	125.010	38	5.5	66	37.276	A
194	13.07.95	18:02:54	-3.160	134.770	0	5.0	83	11.775	B
195	14.07.95	16:52:50	24.360	122.130	30	4.6	57	5.209	B
196	15.07.95	10:54:20	71.820	-1.330	21	4.8	41	11.993	B
196	15.07.95	15:57:27	39.488	52.952	31	0.8	2	0.007	A
197	16.07.95	09:27:16	30.430	95.130	58	4.1	33	2.733	C
198	17.07.95	06:15:00	39.934	54.321	31	1.8	2	0.063	A

All events, registered by the CSN

198	17.07.95	06:29:06	39.384	53.973	31	1.8	2	0.063	A
198	17.07.95	23:18:12	40.170	21.650	0	5.1	24	70.924	A
199	18.07.95	07:42:51	40.030	21.640	0	4.5	24	17.731	B
199	18.07.95	11:47:52	36.973	54.491	31	3.3	1	2.122	A
199	18.07.95	14:35:46	-3.970	135.260	26	5.0	84	11.536	B
199	18.07.95	22:00:51	46.110	150.990	35	5.1	66	14.764	B
199	18.07.95	22:56:49	38.990	25.000	0	4.6	22	31.735	B
200	19.07.95	12:57:37	54.660	19.400	0	4.3	27	7.346	C
200	19.07.95	18:23:14	40.100	21.810	13	4.5	24	18.107	B
201	20.07.95	20:44:21	36.320	68.860	0	4.3	10	12.721	A
202	21.07.95	01:48:19	32.720	50.000	41	3.8	6	3.277	A
202	21.07.95	22:44:08	36.440	103.260	29	5.1	37	26.045	A
204	23.07.95	11:28:09	39.350	69.290	54	3.9	10	4.921	B
205	24.07.95	10:19:50	29.770	130.530	44	4.4	60	3.149	B
205	24.07.95	19:13:22	55.460	-35.020	0	4.9	57	10.35	A
206	25.07.95	02:49:34	43.650	45.710	69	3.7	7	2.626	B
206	25.07.95	15:13:31	10.720	-41.240	34	4.7	86	5.455	B
206	25.07.95	15:32:47	-2.320	125.030	0	5.1	75	15.472	B
206	25.07.95	22:39:23	44.380	148.210	26	4.7	65	5.931	B
207	26.07.95	20:47:43	39.120	71.760	0	4.5	12	22.182	A
207	26.07.95	23:42:01	2.540	127.530	48	5.4	74	30.406	A
208	27.07.95	01:26:57	39.130	71.970	0	4.2	12	11.232	B
208	27.07.95	05:51:20	-12.560	79.190	17	5.3	55	26.544	A
208	27.07.95	05:55:36	-12.620	79.140	19	4.9	55	10.563	B
208	27.07.95	12:21:23	-8.660	111.190	0	5.0	69	11.539	B
208	27.07.95	15:16:29	8.960	93.920	22	4.6	45	6.751	B
208	27.07.95	19:44:13	34.695	55.325	31	3.6	3	3.831	A
208	27.07.95	22:18:56	9.140	94.090	0	4.6	45	6.755	B
208	27.07.95	23:41:45	40.103	53.886	31	3.2	2	1.675	B
209	28.07.95	14:29:05	-21.090	-175.240	34	5.6	133	3.981	A
209	28.07.95	14:52:23	31.580	69.340	0	4.5	13	23.964	C
209	28.07.95	22:43:36	40.330	21.690	56	4.0	24	5.682	B
210	29.07.95	07:59:54	35.390	26.380	128	4.0	21	7.067	B
210	29.07.95	08:01:20	4.170	126.500	0	5.4	72	29.768	A
210	29.07.95	14:53:48	4.130	126.800	0	4.1	72	1.496	C
210	29.07.95	16:18:46	30.350	138.300	449	4.9	66	33.815	A
210	29.07.95	18:24:03	35.760	140.230	57	4.7	64	5.995	B
211	30.07.95	05:11:17	-23.360	-70.460	0	5.4	130	2.512	A
211	30.07.95	05:49:58	-23.030	-69.230	0	5.4	129	2.512	B
211	30.07.95	07:03:57	30.110	88.140	0	4.7	27	16.679	B
211	30.07.95	11:51:18	28.650	129.170	49	5.2	60	19.978	B
211	30.07.95	15:13:05	4.140	126.650	0	5.2	72	18.811	B
211	30.07.95	21:05:49	-23.410	-70.630	23	5.1	130	1.259	A
211	30.07.95	23:40:49	39.243	54.045	31	0.8	2	0.007	A
213	01.08.95	02:10:37	46.400	153.580	13	4.9	68	9.17	A
214	02.08.95	00:14:13	-23.100	-70.480	49	4.7	130	0.501	B
214	02.08.95	19:26:26	34.850	32.920	0	4.2	17	14.997	B
214	02.08.95	22:25:52	32.930	59.680	0	4.1	6	6.574	B
214	02.08.95	22:47:33	33.400	76.770	0	3.8	17	6.185	C
215	03.08.95	01:16:40	80.370	-2.660	0	4.5	45	5.291	B
215	03.08.95	01:57:17	-23.010	-70.610	0	5.0	130	1	B
215	03.08.95	08:18:55	-28.140	-68.920	109	5.5	131	2.512	A
215	03.08.95	14:03:07	-23.040	-70.540	32	4.3	130	0.2	B
215	03.08.95	22:09:52	35.458	55.521	31	3.0	2	1.096	B
216	04.08.95	13:31:51	52.940	152.780	536	4.4	64	13.951	B

All events, registered by the CSN

216	04.08.95	16:31:47	38.030	53.671	31	2.5	0	0.336	A
216	04.08.95	16:53:34	-18.250	172.030	0	3.6	121	0.04	B
216	04.08.95	18:11:09	39.892	53.018	31	0.8	2	0.007	A
217	05.08.95	16:46:56	32.070	49.760	0	3.9	7	4.137	B
217	05.08.95	22:42:03	-22.590	-10.640	0	5.1	86	13.794	C
218	06.08.95	11:59:35	44.510	146.900	73	4.7	64	5.991	B
218	06.08.95	19:29:05	15.860	59.790	0	4.5	22	22.567	B
219	07.08.95	19:44:23	4.030	143.850	0	5.2	85	17.581	B
220	08.08.95	00:35:21	11.880	125.920	10	5.0	67	11.661	B
220	08.08.95	12:48:19	37.820	72.160	91	3.9	12	5.782	B
222	10.08.95	00:41:03	-15.640	41.370	0	4.8	55	8.435	B
223	11.08.95	21:25:18	35.855	54.815	31	3.6	2	3.831	B
224	12.08.95	05:09:15	37.978	54.474	31	2.0	0	0.095	B
225	13.08.95	05:17:26	38.120	23.020	0	4.6	23	24.593	B
226	14.08.95	04:37:03	-4.630	151.590	0	6.0	97	52.808	B
226	14.08.95	23:32:28	35.964	54.404	31	3.8	2	5.888	A
228	16.08.95	10:27:30	-5.700	154.060	38	5.6	100	16.552	A
228	16.08.95	15:04:02	-31.890	179.510	466	5.2	134	1.585	A
228	16.08.95	16:24:31	-5.370	153.510	35	5.3	99	8.795	B
228	16.08.95	20:58:49	28.370	128.080	0	4.7	59	6.368	A
228	16.08.95	23:10:21	-5.840	154.430	0	5.7	100	20.129	A
228	16.08.95	23:31:15	-6.910	129.330	159	5.1	81	29.186	C
228	16.08.95	23:50:31	50.170	176.040	0	5.2	77	19.532	B
229	17.08.95	00:15:49	-5.940	154.340	0	5.7	100	20.145	B
229	17.08.95	00:59:59	41.600	88.860	0	5.5	25	151.75	A
229	17.08.95	10:01:25	-5.180	153.310	0	5.0	99	4.521	C
229	17.08.95	18:10:04	35.267	54.052	31	3.8	2	5.888	A
229	17.08.95	23:14:21	36.350	71.140	246	5.3	12	145.423	A
230	18.08.95	00:52:24	37.840	29.500	0	4.7	18	49.889	A
230	18.08.95	02:16:21	-55.890	-28.780	0	5.4	117	2.512	B
230	18.08.95	04:24:31	41.530	48.480	0	4.2	4	8.197	A
230	18.08.95	09:18:07	53.630	-163.630	26	4.5	81	3.862	B
231	19.08.95	20:28:06	42.330	70.650	0	4.6	12	26.18	B
231	19.08.95	21:43:34	5.100	-75.590	131	5.6	115	3.162	A
232	20.08.95	18:53:08	40.270	22.020	0	3.7	24	2.951	B
234	22.08.95	05:34:20	36.800	26.780	179	4.6	21	29.907	B
235	23.08.95	04:56:38	-5.440	153.400	0	4.6	99	1.762	B
235	23.08.95	07:06:05	18.900	145.070	603	5.9	77	553.849	A
235	23.08.95	07:12:55	18.960	145.380	653	4.5	78	22.195	A
235	23.08.95	07:57:39	19.110	144.940	606	4.8	77	43.65	B
235	23.08.95	13:14:41	-56.590	-141.510	0	5.5	158	3.162	B
235	23.08.95	14:18:08	40.000	53.821	31	1.0	2	0.011	A
236	24.08.95	01:55:39	18.860	145.060	636	5.3	77	139.206	A
236	24.08.95	06:28:56	18.840	145.120	618	5.1	77	88.005	A
236	24.08.95	07:54:43	18.900	145.160	607	4.9	77	55.512	A
236	24.08.95	07:55:29	18.820	144.950	617	5.0	77	69.633	A
237	25.08.95	10:53:05	28.510	57.160	96	4.1	9	7.519	B
237	25.08.95	16:51:43	-18.480	-175.420	186	5.1	131	1	B
238	26.08.95	06:57:13	-5.770	153.550	0	5.1	99	5.409	A
238	26.08.95	14:47:53	8.370	126.990	57	4.7	70	5.783	A
238	26.08.95	16:06:25	28.510	128.510	112	4.2	59	2.682	C
238	26.08.95	17:16:56	-8.210	121.600	22	5.1	76	15.737	C
240	28.08.95	10:46:12	26.158	-110.349	10	5.6	112	3.981	A
240	28.08.95	11:46:01	37.990	89.040	0	4.6	26	17.46	B
240	28.08.95	15:35:26	3.830	124.560	299	5.1	71	39.811	B

All events, registered by the CSN

241	29.08.95	07:25:48	-47.980	99.440	0	5.2	94	10.543	B
241	29.08.95	13:06:41	2.410	127.390	34	4.9	74	9.613	B
242	30.08.95	23:04:07	-19.306	-173.553	33	5.8	133	6.31	B
243	31.08.95	17:10:39	-15.800	166.510	33	5.4	115	2.512	B
243	31.08.95	20:26:43	36.480	71.150	229	4.5	12	23.074	B
244	01.09.95	06:30:35	0.090	123.070	128	5.1	72	30.516	B
247	04.09.95	12:10:17	39.860	51.170	0	4.2	1	8.103	A
247	04.09.95	17:47:06	29.950	57.540	0	4.2	8	8.719	B
249	06.09.95	22:48:48	14.900	-94.140	0	4.7	117	0.501	B
250	07.09.95	13:16:47	39.000	144.320	39	4.7	66	5.916	B
250	07.09.95	17:10:26	37.004	53.564	31	3.8	1	5.888	A
251	08.09.95	01:15:28	-55.990	-122.620	0	5.0	162	1	B
251	08.09.95	13:03:33	33.600	54.000	0	3.7	4	2.588	B
251	08.09.95	16:03:36	-9.150	67.490	0	4.7	48	7.506	B
252	09.09.95	20:58:44	-20.290	-69.270	98	5.0	127	1	B
253	10.09.95	03:15:34	39.488	52.957	31	2.0	2	0.095	B
254	11.09.95	11:57:39	50.360	18.930	0	4.0	26	4.169	C
257	14.09.95	00:07:06	38.951	54.965	31	2.7	1	0.54	B
257	14.09.95	12:24:33	-17.570	-179.020	516	5.1	128	1.995	B
257	14.09.95	14:04:31	16.710	-98.430	20	5.4	117	2.512	A
258	15.09.95	20:53:08	51.250	179.230	36	4.9	77	9.855	B
260	17.09.95	07:25:30	-35.630	-74.340	27	5.5	139	3.162	B
260	17.09.95	17:09:22	-17.220	66.670	14	5.3	56	26.297	A
261	18.09.95	06:56:32	-6.960	129.240	179	5.1	81	29.257	B
261	18.09.95	18:08:42	40.200	46.380	0	3.9	5	4.13	B
262	19.09.95	01:33:14	0.230	27.610	0	4.3	45	3.346	B
262	19.09.95	01:48:09	35.030	26.440	0	4.6	22	31.655	B
262	19.09.95	12:23:26	40.625	54.850	31	3.0	3	1.096	A
262	19.09.95	20:21:13	35.810	69.820	88	4.0	11	6.761	B
262	19.09.95	21:05:53	41.160	142.190	68	4.7	63	6.087	B
264	21.09.95	19:41:39	39.105	55.829	31	3.8	1	5.888	A
265	22.09.95	08:51:49	1.110	19.340	0	5.2	49	23.208	C
265	22.09.95	12:56:21	37.300	58.790	0	3.9	2	4.079	A
265	22.09.95	18:23:58	36.377	51.963	31	3.8	1	5.888	B
266	23.09.95	02:34:17	-5.930	146.700	48	5.5	94	22.062	C
266	23.09.95	16:05:51	-5.560	104.070	52	5.4	62	30.799	A
266	23.09.95	22:31:48	-10.710	-78.490	0	5.7	128	5.012	A
268	25.09.95	03:17:29	34.540	25.700	67	4.1	22	8.952	B
268	25.09.95	09:13:29	-4.680	130.480	42	5.2	81	19.686	B
268	25.09.95	12:02:38	44.700	41.290	0	4.6	10	25.212	B
268	25.09.95	17:04:49	1.100	19.430	0	5.2	49	23.246	B
269	26.09.95	01:24:29	39.575	54.215	31	3.7	2	5.551	A
269	26.09.95	04:39:01	41.850	81.720	0	5.1	20	122.475	B
269	26.09.95	04:42:18	38.460	86.130	0	5.1	23	78.297	B
269	26.09.95	07:14:39	41.870	143.270	37	5.1	63	15.227	B
270	27.09.95	14:15:52	38.010	30.190	0	4.6	18	38.565	B
271	28.09.95	08:32:33	44.480	80.450	20	4.5	19	31.443	B
271	28.09.95	11:42:29	36.955	55.752	31	3.3	1	2.122	B
271	28.09.95	13:08:41	41.514	53.707	31	4.0	4	10.633	A
271	28.09.95	19:42:18	37.641	55.380	31	3.4	0	2.687	A
271	28.09.95	19:42:18	37.641	55.380	31	3.4	0	2.687	A
271	28.09.95	23:44:41	42.640	18.300	0	4.9	26	32.427	A
273	30.09.95	10:14:29	41.790	15.910	0	5.1	28	38.871	B
273	30.09.95	10:47:53	50.940	157.260	0	5.0	67	11.602	A
273	30.09.95	13:56:31	51.820	142.950	0	4.8	59	8.05	C

Events from global seismic catalogs, registered by the CSN

Jul day	Date	Time	Latitude	Longitude	Depth	Mag	Delta	Ampl.	Qua
					km		degrees	nm	
232	20.08.94	18:18:25	3.120	127.420	77	5.4	75	7.061	B
233	21.08.94	02:06:33	37.891	69.944	33	4.3	12	7.684	B
233	21.08.94	04:25:03	52.262	159.859	44	4.9	68	3.385	C
233	21.08.94	15:55:59	56.761	117.900	12	6.0	44	24.064	A
234	22.08.94	11:09:38	44.621	150.310	33	5.3	67	5.994	C
234	22.08.94	12:41:16	70.922	-6.103	10	5.3	44	9.126	B
234	22.08.94	17:26:37	-11.509	166.452	142	6.2	114	1.452	B
234	22.08.94	19:56:50	4.525	35.034	10	4.7	39	4.481	C
234	22.08.94	21:31:16	30.976	141.707	33	5.4	69	6.744	B
235	23.08.94	12:05:43	36.542	70.396	33	4.8	13	16.229	C
235	23.08.94	14:18:31	40.041	78.818	33	5.3	19	47.586	B
239	27.08.94	16:03:56	6.802	126.729	100	5.5	72	16.265	B
240	28.08.94	15:41:29	5.659	126.234	69	5.6	72	9.082	B
240	28.08.94	18:37:20	44.783	150.061	19	6.3	67	24.483	A
240	28.08.94	20:51:54	44.228	150.818	33	5.4	68	6.856	B
241	29.08.94	01:45:07	44.582	150.324	50	5.4	67	6.895	B
241	29.08.94	17:36:20	-0.404	-19.172	10	5.8	78	12.773	C
242	30.08.94	06:13:35	44.737	150.117	51	5.7	67	10.533	B
242	30.08.94	19:42:46	-6.965	124.111	596	6.2	79	107.401	A
243	31.08.94	09:07:25	43.719	146.013	76	6.2	65	21.739	B
244	01.09.94	15:15:53	40.402	-125.680	10	7.1	100	25.122	B
244	01.09.94	16:12:40	41.183	21.196	14	5.4	25	27.262	A
247	04.09.94	02:28:02	37.471	69.971	33	4.9	12	17.985	B
247	04.09.94	07:15:03	36.517	70.445	194	4.9	13	22.645	C
248	05.09.94	19:13:17	41.905	46.231	62	4.7	7	11.489	A
248	05.09.94	22:13:47	46.782	155.226	12	5.6	69	8.967	C
250	07.09.94	13:56:25	38.491	90.345	33	5.2	28	13.995	C
251	08.09.94	08:50:42	0.540	126.173	52	5.7	76	10.852	B
251	08.09.94	09:20:57	37.125	69.949	33	4.9	12	18.07	B
251	08.09.94	13:33:36	28.030	61.837	77	5.1	13	24.879	B
252	09.09.94	18:45:04	1.895	128.347	120	5.4	76	14.568	C
253	10.09.94	04:54:10	7.552	126.599	79	5.6	72	8.986	B
254	11.09.94	01:32:03	19.586	99.516	33	5.2	43	7.949	C
255	12.09.94	11:30:14	-8.910	106.476	33	5.7	68	10.363	B
256	13.09.94	04:28:01	29.287	129.910	34	6.1	61	19.686	B
258	15.09.94	19:48:23	54.357	-161.856	50	5.4	81	7.272	B
259	16.09.94	06:20:18	22.528	118.711	13	6.8	56	55.674	A
260	17.09.94	02:24:37	37.885	41.584	9	5.1	10	20.619	B
260	17.09.94	04:56:26	36.461	9.173	10	5.2	35	9.44	B
261	18.09.94	10:27:15	38.563	71.733	33	4.6	13	12.697	B
263	20.09.94	05:51:46	32.501	48.770	33	5.2	8	23.372	B
263	20.09.94	08:45:26	7.433	126.748	51	5.3	72	5.909	B
264	21.09.94	06:09:17	1.091	127.161	143	5.2	76	10.971	C
266	23.09.94	19:15:44	36.045	100.146	33	5.3	36	10.795	B
269	26.09.94	21:31:19	-3.125	127.468	33	5.4	79	7.403	C
270	27.09.94	12:37:50	51.342	178.421	33	5.4	77	7.222	C
271	28.09.94	16:39:51	-5.786	110.352	638	6.6	69	177.432	A
271	28.09.94	17:33:58	-5.731	110.364	628	6.0	69	76.557	A
271	28.09.94	21:22:10	-4.708	102.200	46	5.5	62	8.381	A
273	30.09.94	02:56:16	36.412	71.067	242	4.7	13	15.037	C
273	30.09.94	02:57:16	37.551	75.025	33	5.0	16	26.575	B
273	30.09.94	19:30:18	-21.217	-179.293	643	5.8	131	2.333	B

Events from global seismic catalogs, registered by the CSN

274	01.10.94	14:04:20	13.116	50.416	10	4.9	27	10.928	B
274	01.10.94	16:35:20	-17.745	167.682	17	6.5	119	2.786	B
274	01.10.94	17:46:37	-17.768	167.830	33	6.3	119	2.104	B
275	02.10.94	00:55:37	8.121	93.935	33	5.2	47	6.97	B
275	02.10.94	16:20:16	38.554	73.888	125	4.7	15	17.271	A
277	04.10.94	13:22:55	43.773	147.321	14	7.9	66	234.629	A
277	04.10.94	15:24:15	43.526	147.908	20	6.3	66	24.656	A
277	04.10.94	16:01:02	43.706	147.991	16	6.3	66	24.669	A
277	04.10.94	16:06:20	43.430	147.902	18	6.0	66	16.169	A
277	04.10.94	16:52:45	43.684	148.059	39	5.3	66	6.052	B
277	04.10.94	18:09:39	43.660	147.445	33	5.5	66	8.048	A
277	04.10.94	19:16:28	43.774	147.504	35	6.0	66	16.249	A
277	04.10.94	20:01:10	43.983	147.292	64	5.7	66	10.691	A
277	04.10.94	20:06:30	43.267	147.779	36	5.4	66	6.96	A
277	04.10.94	20:16:54	43.465	147.737	47	5.2	66	5.264	B
277	04.10.94	22:56:30	43.654	147.591	53	5.4	66	6.986	B
278	05.10.94	01:13:27	23.101	121.479	70	5.5	58	8.782	A
278	05.10.94	04:00:47	43.398	148.078	40	5.8	66	12.192	B
278	05.10.94	07:16:07	43.686	148.088	38	5.7	66	10.612	B
278	05.10.94	12:34:43	43.228	147.400	53	5.5	66	8.029	B
278	05.10.94	12:39:30	43.627	147.450	41	5.7	66	10.656	B
278	05.10.94	20:37:29	43.592	147.449	13	6.0	66	16.237	B
278	05.10.94	20:39:48	43.954	147.336	40	5.3	66	6.093	B
280	07.10.94	02:36:09	43.614	147.289	52	5.6	66	9.269	B
280	07.10.94	03:25:58	41.662	88.753	0	6.0	26	56.04	A
280	07.10.94	07:00:52	43.117	146.866	55	5.3	66	6.082	B
280	07.10.94	15:00:14	43.580	148.218	30	5.3	66	6.041	B
280	07.10.94	15:24:03	42.877	146.063	24	5.4	65	7.029	B
281	08.10.94	05:28:26	43.319	146.676	26	5.4	66	7.017	B
281	08.10.94	09:54:34	43.873	148.171	9	5.4	66	6.967	B
281	08.10.94	12:13:49	43.219	147.742	59	5.4	66	6.96	B
281	08.10.94	21:44:07	-1.258	127.980	17	6.8	78	52.385	A
282	09.10.94	00:27:40	37.570	72.079	126	4.8	14	19.766	A
282	09.10.94	07:55:39	43.905	147.916	33	6.7	66	43.343	A
282	09.10.94	08:07:04	43.714	148.033	41	5.9	66	14.062	A
282	09.10.94	08:48:55	43.861	148.063	36	5.9	66	14.072	A
282	09.10.94	11:07:43	43.495	148.237	44	5.3	66	6.037	B
282	09.10.94	12:24:22	43.883	147.341	46	5.8	66	12.292	B
282	09.10.94	15:34:14	11.601	143.131	46	5.0	82	4.101	C
282	09.10.94	19:08:43	39.907	77.117	40	4.9	17	24.979	B
282	09.10.94	20:25:08	43.843	147.967	35	5.2	66	5.268	B
283	10.10.94	10:31:44	43.042	147.519	33	5.3	66	6.051	B
283	10.10.94	21:06:53	51.484	-173.897	33	5.7	80	11.385	B
284	11.10.94	20:31:17	33.558	45.678	18	4.7	9	11.624	B
285	12.10.94	06:02:49	13.765	124.538	27	5.6	66	9.24	B
285	12.10.94	06:08:10	13.695	124.548	21	5.4	66	6.973	C
285	12.10.94	06:43:39	13.773	124.529	16	6.4	66	28.426	B
286	13.10.94	05:04:24	-1.212	127.912	11	6.4	78	29.84	A
286	13.10.94	12:03:18	43.406	146.840	33	5.2	66	5.295	B
286	13.10.94	23:19:57	40.381	52.975	33	4.3	1	6.394	A
287	14.10.94	10:16:32	22.397	121.640	141	5.2	59	7.312	B
287	14.10.94	20:08:06	43.308	147.205	33	5.4	66	6.99	B
289	16.10.94	05:10:00	45.749	149.167	117	6.8	66	84.365	A
289	16.10.94	10:09:52	38.089	56.703	33	4.5	2	8.503	A
290	17.10.94	13:54:59	43.493	146.892	33	5.2	66	5.296	C

Events from global seismic catalogs, registered by the CSN

291	18.10.94	10:42:55	43.439	147.329	33	5.2	66	5.278	C
291	18.10.94	17:12:50	43.576	147.097	60	5.9	66	14.143	A
292	19.10.94	14:39:30	37.192	72.901	34	4.6	15	13.71	B
294	21.10.94	05:06:21	36.391	69.708	47	5.5	12	42.068	A
294	21.10.94	11:26:18	36.410	71.156	237	4.8	14	17.25	C
294	21.10.94	11:46:27	38.250	56.955	33	4.9	2	14.918	A
297	24.10.94	19:26:27	43.084	147.096	57	5.4	66	6.986	B
298	25.10.94	00:54:34	36.359	70.957	239	6.2	13	124.022	A
298	25.10.94	13:30:26	43.771	147.698	35	5.4	66	6.986	B
300	27.10.94	17:45:58	43.515	-127.427	20	6.3	97	10.985	B
300	27.10.94	22:20:28	-25.778	179.339	519	6.7	132	5.848	A
301	28.10.94	23:51:12	24.759	122.208	33	5.6	58	10.146	A
303	30.10.94	06:06:27	-28.032	26.738	5	5.6	72	9.066	C
303	30.10.94	08:11:29	-6.183	129.446	264	5.9	83	33.682	B
304	31.10.94	11:48:13	3.019	96.192	29	6.2	53	25.07	B
306	02.11.94	01:43:55	5.099	118.643	55	5.7	67	10.516	B
306	02.11.94	12:31:01	38.152	48.315	10	5.0	5	17.372	A
307	03.11.94	11:43:33	28.260	52.203	33	4.9	11	16.903	C
308	04.11.94	01:13:20	-9.379	-71.334	591	5.9	123	1.901	B
309	05.11.94	02:16:03	-57.193	157.858	25	6.5	129	2.786	B
313	09.11.94	18:21:02	43.556	147.144	54	5.8	66	12.284	A
317	13.11.94	06:56:00	36.910	29.060	10	5.4	20	59.357	C
317	13.11.94	07:58:15	37.033	28.909	10	4.3	20	12.502	C
317	13.11.94	08:15:21	36.952	29.046	10	4.7	20	22.207	C
318	14.11.94	19:15:30	13.525	121.067	32	7.1	64	78.218	A
319	15.11.94	20:18:11	-5.589	110.186	561	6.5	68	131.937	A
319	15.11.94	20:39:37	47.451	154.927	12	5.6	68	9.024	B
324	20.11.94	14:31:02	35.335	39.557	29	5.4	12	36.595	B
324	20.11.94	16:59:05	-2.001	135.932	16	6.2	85	20.617	B
324	20.11.94	18:34:34	4.330	97.591	153	6.1	52	29.923	B
325	21.11.94	08:16:34	25.540	96.657	14	5.9	38	24.526	B
325	21.11.94	18:52:30	-5.437	147.229	176	5.3	96	3.391	A
325	21.11.94	18:55:16	35.902	51.884	33	4.5	4	8.575	C
326	22.11.94	11:11:57	43.961	147.293	49	5.6	66	9.289	B
328	24.11.94	22:24:02	42.253	71.064	33	4.6	13	12.213	C
331	27.11.94	21:18:41	37.747	67.788	33	4.6	11	10.545	A
333	29.11.94	14:30:28	38.707	20.484	21	5.1	26	15.483	B
337	03.12.94	01:35:51	37.643	49.349	33	4.8	4	13.083	A
016	16.01.95	18:14:49	51.300	179.170	20	5.3	77	24.669	B
016	16.01.95	18:42:16	51.260	179.160	18	5.1	77	15.57	B
016	16.01.95	20:46:50	34.630	134.900	0	5.7	62	61.764	A
018	18.01.95	14:38:59	36.400	71.270	217	4.3	13	13.805	B
019	19.01.95	15:05:10	5.110	-73.020	61	5.5	110	3.316	B
020	20.01.95	03:35:48	43.470	146.620	70	5.1	65	14.922	B
020	20.01.95	15:48:59	1.120	126.180	19	5.4	75	31.613	B
021	21.01.95	06:56:36	40.530	143.650	46	4.6	65	4.739	B
021	21.01.95	07:30:17	2.530	126.910	0	6.0	74	125.305	B
021	21.01.95	07:39:45	47.970	75.050	0	6.0	17	975.292	B
021	21.01.95	08:47:31	43.460	146.610	63	5.7	65	59.407	A
021	21.01.95	16:01:22	-7.080	129.320	151	5.4	82	53.52	B
024	24.01.95	04:14:22	27.740	55.680	0	4.6	11	27.624	C
025	25.01.95	17:33:50	30.590	51.720	0	4.0	9	5.433	A
026	26.01.95	07:00:46	36.060	71.320	99	5.1	13	113.848	A
027	27.01.95	18:34:46	-2.270	138.720	0	3.9	86	0.862	B
027	27.01.95	20:16:48	-4.510	135.160	0	5.3	85	22.316	A

Events from global seismic catalogs, registered by the CSN

029	29.01.95	01:20:12	36.840	71.510	111	4.9	13	62.606	A
029	29.01.95	04:16:50	39.280	40.820	0	4.7	6	28.26	B
029	29.01.95	04:53:40	29.180	141.050	72	5.0	69	11.643	B
030	30.01.95	22:37:10	37.340	70.320	370	3.8	12	7.07	B
033	02.02.95	12:33:54	-1.390	127.730	0	5.7	77	61.758	B
033	02.02.95	12:53:53	10.770	-42.680	0	5.1	84	14.493	B
033	02.02.95	19:34:45	39.190	67.530	0	4.5	10	22.387	A
034	03.02.95	02:31:35	-62.690	155.770	0	5.1	129	1.259	C
034	03.02.95	15:40:50	-3.340	135.520	0	5.5	85	35.757	B
034	03.02.95	22:29:07	34.410	25.110	0	4.8	20	61.231	B
035	04.02.95	17:25:01	-13.840	66.020	0	4.8	54	8.523	C
036	05.02.95	22:59:06	2.930	126.880	0	4.9	74	9.921	A
039	08.02.95	18:40:30	4.200	-76.580	106	5.6	113	3.162	C
039	08.02.95	21:24:49	40.410	28.120	0	4.3	15	19.697	B
041	10.02.95	01:45:24	-38.010	178.170	192	4.8	136	0.501	B
041	10.02.95	07:49:14	36.090	69.100	0	4.6	11	32.319	B
041	10.02.95	08:15:50	37.380	15.280	0	4.2	26	6.592	C
043	12.02.95	20:13:38	59.760	-153.240	115	4.8	78	15.689	C
044	13.02.95	08:41:12	-1.350	127.570	0	5.4	77	30.9	B
044	13.02.95	08:43:41	-1.370	127.570	35	5.6	77	48.981	B
044	13.02.95	12:29:54	-1.410	127.250	21	5.5	77	38.81	B
044	13.02.95	13:04:13	-1.350	127.690	0	5.2	77	19.517	B
044	13.02.95	13:06:44	-1.410	127.380	0	5.4	77	30.863	B
044	13.02.95	13:16:34	40.720	22.640	0	4.5	20	30.664	C
044	13.02.95	13:52:03	-1.190	127.660	0	5.3	77	24.534	B
044	13.02.95	15:04:28	-1.430	127.400	33	5.7	77	61.6	A
044	13.02.95	15:11:25	-1.420	127.520	64	5.2	77	19.498	C
044	13.02.95	15:13:10	-1.160	129.930	0	5.2	79	19.874	B
045	14.02.95	12:47:39	35.930	34.880	36	4.4	12	19.871	C
045	14.02.95	17:41:02	44.830	153.020	0	5.1	68	14.393	B
045	14.02.95	20:47:42	44.120	147.820	34	5.3	66	23.541	A
047	16.02.95	13:02:17	34.580	26.690	0	4.7	18	44.888	B
050	19.02.95	04:03:22	40.670	-125.700	40	5.3	98	9.166	B
050	19.02.95	04:45:53	43.220	146.610	44	5.4	65	29.731	B
050	19.02.95	05:36:09	37.420	46.570	0	4.6	4	20.601	C
050	19.02.95	20:57:46	-1.550	127.720	76	5.2	78	19.552	B
051	20.02.95	04:12:27	39.200	71.060	42	5.0	12	84.094	A
051	20.02.95	04:49:52	39.380	54.390	0	3.9	0	4.069	A
051	20.02.95	08:07:36	41.160	72.500	36	4.7	13	44.256	B
052	21.02.95	02:09:53	46.010	151.370	39	5.1	67	14.664	B
054	23.02.95	05:01:22	39.790	143.690	0	5.0	65	11.848	B
054	23.02.95	05:18:57	24.160	121.510	0	5.4	57	32.667	B
054	23.02.95	21:03:03	35.190	32.330	12	5.5	14	288.317	A
054	23.02.95	21:40:33	35.180	32.400	12	5.2	14	144.027	B
054	23.02.95	21:43:57	38.670	33.370	0	4.3	12	16.377	C
056	25.02.95	09:42:41	40.100	77.290	160	4.3	17	15.672	B
058	27.02.95	12:27:59	-7.300	128.460	150	4.8	82	13.913	C
059	28.02.95	10:24:16	38.010	72.930	139	4.2	14	12.533	B
060	01.03.95	02:04:26	55.680	161.220	101	5.1	66	27.325	B
066	07.03.95	03:58:09	36.710	27.680	0	4.6	17	33.634	C
069	10.03.95	05:22:23	46.150	143.410	348	5.1	62	57.232	C
070	11.03.95	15:21:11	44.150	148.050	22	5.2	66	18.672	A
072	13.03.95	22:56:26	37.120	71.780	139	4.3	13	15.734	B
073	14.03.95	17:33:50	54.770	-161.280	22	5.5	81	38.888	B
075	16.03.95	03:27:03	30.520	67.370	0	4.7	13	36.503	C

Events from global seismic catalogs, registered by the CSN

075	16.03.95	22:00:14	10.970	93.570	124	4.1	44	2.898	C
077	18.03.95	14:11:09	37.370	71.600	250	3.7	13	3.466	B
077	18.03.95	18:02:34	42.460	87.300	0	4.9	24	40.921	B
077	18.03.95	18:14:45	38.760	69.900	0	4.1	11	8.089	C
078	19.03.95	09:52:30	-6.340	131.480	0	5.4	83	29.18	C
078	19.03.95	16:58:23	36.460	71.010	269	4.0	13	6.988	B
078	19.03.95	18:34:04	-4.430	134.960	0	5.5	85	35.536	A
078	19.03.95	23:53:10	-4.180	135.140	0	5.9	85	89.309	A
079	20.03.95	08:14:53	-8.040	116.620	227	5.1	73	39.811	C
079	20.03.95	10:48:49	-4.270	135.180	0	5.2	85	17.783	B
080	21.03.95	07:43:59	36.450	71.220	235	4.0	13	6.936	B
081	22.03.95	00:44:54	36.430	70.170	292	3.8	12	4.541	C
081	22.03.95	06:28:44	30.400	51.140	79	4.2	8	8.307	B
081	22.03.95	09:12:21	-6.380	132.020	0	5.4	84	28.884	B
081	22.03.95	13:37:45	-4.040	135.160	0	5.3	85	22.472	C
081	22.03.95	15:01:35	-5.180	131.000	124	4.9	82	16.917	C
082	23.03.95	20:21:25	-4.050	135.370	0	5.2	85	17.781	C
083	24.03.95	11:52:42	32.710	76.200	94	4.3	18	19.891	B
083	24.03.95	21:01:52	37.110	72.060	0	4.3	13	14.632	C
084	25.03.95	11:23:28	34.090	48.310	0	4.3	6	10.348	B
085	26.03.95	05:21:22	54.860	-161.360	51	5.1	81	15.554	A
088	29.03.95	15:52:33	41.800	79.510	0	4.2	19	15.671	C
088	29.03.95	17:48:16	42.870	40.730	0	3.9	10	4.71	B
089	30.03.95	15:13:50	35.740	74.020	0	4.1	15	10.459	C
089	30.03.95	18:17:20	34.530	24.760	30	4.7	23	31.994	B
089	30.03.95	22:15:54	44.940	137.460	321	5.0	59	52.304	A
090	31.03.95	06:35:41	39.070	71.200	0	4.2	12	10.82	C
090	31.03.95	09:27:12	-4.360	134.850	18	5.1	85	14.189	C
090	31.03.95	14:01:42	38.160	135.090	367	5.5	60	156.346	A
091	01.04.95	03:49:35	37.910	139.160	14	5.2	63	19.233	A
091	01.04.95	05:50:22	52.360	159.000	45	5.3	67	23.082	B
092	02.04.95	18:09:55	29.070	52.590	0	4.1	9	7.02	C
093	03.04.95	11:54:46	24.150	122.350	41	5.2	58	20.457	C
094	04.04.95	15:29:53	28.010	71.540	19	4.5	17	30.536	C
094	04.04.95	17:21:05	6.160	127.080	84	4.7	72	5.882	B
095	05.04.95	07:52:08	34.730	27.970	0	4.5	20	29.444	C
097	07.04.95	02:20:45	-0.260	124.080	0	4.9	74	9.531	C
097	07.04.95	22:07:04	-15.200	-173.580	67	5.9	131	7.943	A
098	08.04.95	01:23:52	-15.210	-173.080	0	5.4	132	2.512	C
098	08.04.95	17:45:18	21.910	142.580	305	5.8	74	182.828	A
098	08.04.95	19:39:38	35.970	71.280	0	4.1	13	9.101	C
099	09.04.95	04:44:49	21.840	121.270	16	5.0	58	12.846	C
099	09.04.95	06:35:54	0.100	126.860	38	4.8	76	7.734	C
100	10.04.95	09:51:13	21.810	121.140	26	6.3	58	256.551	C
100	10.04.95	19:25:49	35.620	69.430	108	4.2	12	12.23	B
103	13.04.95	04:07:59	40.870	27.800	0	4.4	19	24.073	C
103	13.04.95	20:23:30	37.490	36.170	120	4.1	13	9.771	C
104	14.04.95	13:15:16	-60.661	-19.951	10	6.5	116	31.623	C
105	15.04.95	05:36:34	44.120	147.100	43	4.7	65	5.943	B
106	16.04.95	16:43:19	30.320	51.520	323	3.3	8	2.512	B
107	17.04.95	01:14:16	-8.530	156.600	0	5.4	104	5.571	C
107	17.04.95	07:14:35	33.790	-38.570	0	5.4	70	28.999	A
107	17.04.95	13:03:10	40.890	48.290	0	4.0	4	5.151	A
107	17.04.95	18:19:23	50.240	91.250	0	4.4	28	7.984	C
107	17.04.95	23:28:10	45.930	151.190	29	5.5	67	36.86	A

Events from global seismic catalogs, registered by the CSN

108	18.04.95	03:49:38	-2.060	140.480	20	5.5	88	33.361	B
108	18.04.95	05:23:59	45.860	151.280	24	5.1	67	14.659	A
108	18.04.95	05:36:02	40.960	27.770	0	4.4	19	24.018	C
108	18.04.95	06:12:38	31.850	49.700	18	4.7	7	26.13	B
108	18.04.95	15:50:59	36.090	70.860	0	4.2	13	11.194	C
108	18.04.95	16:23:36	-54.231	-136.682	10	5.2	162	1.585	C
108	18.04.95	19:01:30	7.370	134.760	0	4.9	77	9.887	B
109	19.04.95	03:50:07	44.100	148.020	31	5.2	66	18.671	A
110	20.04.95	08:45:12	6.330	126.960	89	5.7	72	58.687	A
110	20.04.95	20:49:10	45.950	151.120	21	5.0	67	11.663	B
111	21.04.95	00:02:49	11.910	125.740	22	5.3	68	23.039	A
111	21.04.95	00:09:56	11.980	125.740	18	5.6	67	45.991	A
111	21.04.95	00:30:10	11.920	125.590	0	5.5	67	36.566	B
111	21.04.95	00:34:44	12.060	125.520	0	5.8	67	73.076	A
111	21.04.95	00:43:46	12.050	125.320	0	4.7	67	5.815	B
111	21.04.95	01:24:07	12.230	125.580	33	4.7	67	5.808	B
111	21.04.95	02:16:06	11.740	125.750	42	4.6	68	4.591	B
111	21.04.95	02:23:15	12.240	125.560	23	4.9	67	9.208	B
111	21.04.95	05:16:59	12.060	125.720	0	5.6	67	46.025	A
111	21.04.95	05:25:48	12.110	126.030	0	5.1	68	14.519	C
111	21.04.95	12:47:43	12.110	125.460	23	4.7	67	5.81	C
111	21.04.95	17:03:13	11.990	125.870	0	4.9	68	9.166	C
112	22.04.95	00:21:48	31.020	49.970	12	4.8	8	33.008	A
112	22.04.95	00:28:49	30.250	48.780	0	4.0	9	5.362	C
112	22.04.95	02:27:54	30.980	49.980	0	4.0	8	5.232	C
112	22.04.95	11:18:25	11.760	125.880	21	4.9	68	9.151	C
113	23.04.95	02:55:59	51.370	179.690	33	5.7	77	62.252	A
113	23.04.95	05:07:59	12.410	125.480	0	5.7	67	58.209	A
113	23.04.95	05:30:24	11.720	126.040	0	5.1	68	14.478	C
113	23.04.95	06:38:12	5.950	124.040	523	4.9	70	37.367	B
113	23.04.95	07:21:16	12.370	125.570	0	5.2	67	18.387	B
113	23.04.95	14:07:51	12.300	125.650	12	4.9	67	9.204	B
113	23.04.95	14:22:31	12.300	125.710	0	4.8	67	7.307	C
113	23.04.95	20:28:45	12.390	125.500	0	4.9	67	9.223	B
114	24.04.95	06:08:10	12.150	125.890	29	4.9	67	9.175	B
114	24.04.95	16:13:12	22.770	102.770	21	4.3	43	3.539	C
114	24.04.95	17:04:43	12.470	125.460	0	5.1	67	14.63	B
115	25.04.95	06:15:06	-5.880	147.460	47	5.3	95	12.035	C
115	25.04.95	09:12:43	12.270	125.180	0	5.2	67	18.439	B
115	25.04.95	13:32:46	40.220	144.470	0	4.4	66	2.966	B
115	25.04.95	20:41:17	37.200	71.850	190	3.9	13	6.166	B
116	26.04.95	11:46:08	36.860	49.420	0	4.3	4	10.235	A
117	27.04.95	02:35:13	-20.160	67.660	0	4.4	59	3.196	C
117	27.04.95	12:57:56	56.750	25.760	0	3.7	24	2.618	C
117	27.04.95	13:28:15	-7.750	126.570	312	4.7	81	13.56	C
118	28.04.95	01:00:23	38.900	70.230	0	3.9	12	5.179	B
118	28.04.95	16:30:05	44.130	147.820	48	5.7	66	59.136	A
118	28.04.95	17:08:45	44.130	147.950	37	5.0	66	11.788	A
118	28.04.95	17:44:13	-2.000	55.610	0	4.6	40	7.973	B
118	28.04.95	21:46:29	43.690	148.150	0	4.5	66	3.713	C
119	29.04.95	04:35:28	44.080	147.810	35	4.7	66	5.912	B
119	29.04.95	09:43:56	11.860	126.090	0	5.4	68	28.904	A
120	30.04.95	01:09:14	11.880	126.020	7	5.1	68	14.497	B
120	30.04.95	01:29:36	11.830	125.900	0	4.8	68	7.271	C
120	30.04.95	04:29:42	34.960	25.830	51	3.8	22	4.661	B

Events from global seismic catalogs, registered by the CSN

121	01.05.95	05:31:48	33.520	48.790	0	3.9	6	4.122	B
122	02.05.95	03:54:10	43.290	147.310	50	5.0	66	11.782	A
122	02.05.95	06:06:08	-3.790	-76.940	107	5.8	122	5.012	A
122	02.05.95	06:19:41	43.210	146.940	0	4.7	66	5.918	C
122	02.05.95	11:48:08	43.870	84.890	0	5.3	23	134.002	A
123	03.05.95	02:49:49	28.430	52.790	0	4.6	9	23.129	B
123	03.05.95	21:36:52	40.580	23.640	0	4.4	22	17.878	C
123	03.05.95	21:43:25	40.620	23.710	0	4.5	22	22.704	B
124	04.05.95	00:34:15	40.630	23.600	42	4.4	22	17.816	A
124	04.05.95	02:18:50	1.900	128.640	32	5.6	76	48.893	A
124	04.05.95	15:00:12	19.650	122.180	38	4.5	60	3.973	B
124	04.05.95	16:03:47	35.770	27.430	131	4.3	21	15.202	B
125	05.05.95	03:53:44	12.630	125.240	0	5.3	67	23.259	A
125	05.05.95	04:21:25	11.970	125.930	0	4.5	68	3.647	B
125	05.05.95	04:39:09	12.590	125.180	13	5.1	67	14.679	B
125	05.05.95	07:52:33	12.580	125.110	0	4.6	67	4.645	C
125	05.05.95	09:17:28	13.580	51.480	0	4.8	24	33.315	A
125	05.05.95	10:09:00	-8.860	110.370	0	5.1	70	14.459	B
125	05.05.95	13:01:41	-10.230	118.980	28	5.2	77	19.708	A
125	05.05.95	17:19:18	-8.700	111.090	56	5.2	70	18.28	A
125	05.05.95	22:48:08	-18.440	168.790	132	5.5	120	2.512	C
126	06.05.95	01:59:09	24.910	95.340	119	6.0	37	283.052	A
126	06.05.95	14:08:51	59.800	23.430	0	3.9	27	2.776	C
128	08.05.95	05:11:09	38.500	22.193	26	4.6	24	22.682	C
128	08.05.95	14:46:35	12.155	125.639	33	5.1	67	14.575	C
128	08.05.95	17:40:25	43.884	148.413	34	5.2	66	18.595	A
128	08.05.95	17:40:53	43.770	148.317	33	5.5	66	37.101	A
128	08.05.95	18:05:10	11.553	126.124	36	5.5	68	36.298	A
128	08.05.95	18:07:29	11.588	125.970	33	5.3	68	22.94	A
128	08.05.95	18:08:09	11.567	125.900	33	6.3	68	229.507	A
128	08.05.95	19:36:40	11.533	125.925	36	5.1	68	14.474	B
129	09.05.95	01:14:37	40.820	20.664	10	4.8	24	32.323	B
129	09.05.95	09:54:20	25.260	95.136	92	5.2	36	33.038	B
129	09.05.95	12:29:57	-53.980	-134.314	10	5.9	163	7.943	C
130	10.05.95	22:45:57	37.875	20.731	10	4.1	25	5.933	B
130	10.05.95	23:21:30	11.540	126.049	33	4.8	68	7.247	B
131	11.05.95	17:46:39	41.557	81.872	14	4.9	20	74.39	B
131	11.05.95	21:17:11	12.805	125.555	33	4.6	67	4.633	C
133	13.05.95	07:20:41	40.750	50.635	33	4.8	2	32.277	A
133	13.05.95	08:47:12	40.144	21.684	13	6.6	24	2249.925	A
133	13.05.95	10:12:03	40.725	21.351	10	4.2	24	8.75	C
133	13.05.95	11:43:28	40.138	21.644	10	5.0	24	56.253	A
133	13.05.95	17:54:52	39.999	21.549	10	4.3	24	11.064	C
133	13.05.95	18:05:58	40.060	21.546	10	4.8	24	35.032	B
133	13.05.95	19:00:47	40.136	21.570	10	4.7	24	27.957	B
133	13.05.95	21:00:54	-5.215	108.917	554	5.9	66	406.878	A
133	13.05.95	22:38:49	76.633	5.253	10	4.8	42	11.794	B
133	13.05.95	23:56:25	40.035	21.658	10	4.9	24	44.634	B
134	14.05.95	01:02:57	40.097	21.554	10	4.3	24	11.099	C
134	14.05.95	02:38:55	40.158	21.487	10	4.4	24	13.889	C
134	14.05.95	02:46:58	40.138	21.540	10	4.7	24	27.864	B
134	14.05.95	03:02:26	40.058	21.619	10	4.5	24	17.702	C
134	14.05.95	03:09:35	40.123	21.607	10	4.5	24	17.708	B
134	14.05.95	04:47:01	40.124	70.691	33	4.8	12	41.64	B
134	14.05.95	05:59:15	40.078	21.578	10	4.6	24	22.194	B

Events from global seismic catalogs, registered by the CSN

134	14.05.95	09:45:39	40.207	21.721	10	4.4	24	14.278	B
134	14.05.95	11:33:21	-8.396	125.083	33	7.1	80	1583.917	A
134	14.05.95	12:25:55	-8.715	125.248	33	5.3	80	24.958	C
134	14.05.95	22:33:47	39.957	77.610	33	5.0	17	92.767	A
135	15.05.95	00:16:50	38.390	49.450	0	4.7	3	25.646	A
135	15.05.95	00:21:39	37.350	50.500	0	4.1	3	6.428	B
135	15.05.95	04:05:59	41.630	88.870	0	5.7	26	214.948	A
135	15.05.95	04:14:04	40.300	21.510	71	4.3	24	11.101	A
135	15.05.95	20:04:10	11.080	126.310	22	4.9	68	9.072	B
135	15.05.95	20:21:50	13.090	49.650	0	4.7	25	23.712	B
136	16.05.95	01:42:53	84.260	0.010	46	4.2	47	2.507	B
136	16.05.95	03:35:04	36.440	70.950	192	5.3	13	154.564	A
136	16.05.95	04:37:36	40.110	21.460	66	4.3	24	10.985	B
136	16.05.95	14:30:24	31.460	55.860	0	4.7	6	26.165	A
136	16.05.95	17:57:50	40.210	22.530	0	4.3	23	12.426	B
136	16.05.95	20:12:49	-22.950	169.920	59	6.1	123	12.589	A
136	16.05.95	21:48:05	17.830	96.470	0	5.3	41	37.888	A
136	16.05.95	22:31:12	43.490	147.710	33	4.7	66	5.895	B
136	16.05.95	22:38:08	43.480	147.850	0	4.8	66	7.414	B
136	16.05.95	23:00:40	40.110	21.560	0	4.7	24	27.907	B
136	16.05.95	23:07:57	43.550	147.660	0	4.4	66	2.957	C
136	16.05.95	23:57:30	40.130	21.590	25	4.6	24	22.254	A
137	17.05.95	00:05:09	36.610	23.390	0	4.2	23	9.606	B
137	17.05.95	04:14:26	40.110	21.660	18	5.0	24	56.313	A
137	17.05.95	05:16:53	12.590	125.550	0	4.9	67	9.231	B
137	17.05.95	09:45:07	40.050	21.690	0	4.9	24	44.813	B
137	17.05.95	11:30:19	39.990	19.560	0	4.1	25	5.577	C
137	17.05.95	19:33:41	12.390	125.520	0	4.9	67	9.221	B
138	18.05.95	00:06:30	-0.940	-22.120	24	5.4	79	31.445	A
138	18.05.95	00:51:58	38.380	45.750	0	4.2	6	8.218	B
138	18.05.95	14:31:15	44.320	147.320	100	5.1	65	25.569	B
138	18.05.95	14:47:27	55.440	19.070	0	4.5	27	10.895	C
138	18.05.95	21:12:31	2.450	116.840	0	4.7	67	5.845	C
139	19.05.95	06:48:49	40.080	21.720	0	4.7	24	28.393	A
139	19.05.95	16:27:30	4.630	125.590	166	4.7	72	12.058	B
139	19.05.95	17:09:17	-6.070	130.540	146	5.1	83	26.429	B
139	19.05.95	21:30:05	-1.330	120.240	0	5.2	72	18.556	A
139	19.05.95	21:35:28	-0.990	120.620	0	4.9	72	9.306	B
140	20.05.95	16:18:35	31.270	46.230	0	4.1	10	6.903	B
140	20.05.95	20:09:29	40.040	21.730	0	4.3	24	11.304	C
140	20.05.95	21:06:23	40.060	21.610	0	4.2	24	8.863	C
141	21.05.95	04:04:21	40.090	22.070	0	4.1	24	7.421	C
141	21.05.95	19:19:56	52.490	160.660	0	4.7	68	5.748	B
142	22.05.95	04:02:50	-9.660	151.800	0	5.3	101	6.723	C
143	23.05.95	03:03:33	35.480	22.760	0	4.5	24	16.892	B
143	23.05.95	10:01:32	43.760	141.760	32	5.1	62	15.481	A
143	23.05.95	15:48:07	51.200	-177.270	35	4.9	79	9.939	B
143	23.05.95	21:32:01	12.240	125.640	0	4.6	67	4.612	C
143	23.05.95	22:10:11	-55.830	-3.600	0	5.1	106	2.243	A
144	24.05.95	11:02:13	61.060	-150.410	61	5.1	77	15.714	B
144	24.05.95	20:21:21	12.280	125.760	0	5.2	67	18.345	A
145	25.05.95	04:59:48	44.040	147.140	38	5.1	65	14.918	B
145	25.05.95	09:04:56	39.950	70.360	0	4.3	12	12.969	B
145	25.05.95	09:11:40	40.100	143.210	72	4.7	65	5.971	A
145	25.05.95	09:42:46	34.580	70.120	150	4.0	13	7.751	C

Events from global seismic catalogs, registered by the CSN

146	26.05.95	03:11:10	12.080	57.890	0	4.8	26	26.723	A
147	27.05.95	08:34:32	30.520	51.000	0	4.5	8	16.567	B
147	27.05.95	13:03:52	52.660	142.720	0	5.8	59	80.71	A
147	27.05.95	18:11:23	22.980	121.280	113	4.8	58	10.56	B
147	27.05.95	18:19:12	36.180	21.880	56	4.1	25	6.292	C
147	27.05.95	21:21:27	38.910	48.940	0	4.8	3	32.336	A
148	28.05.95	02:02:50	52.900	142.860	0	4.7	59	6.413	C
148	28.05.95	21:46:52	47.650	85.660	0	4.4	24	14.675	A
149	29.05.95	04:58:34	35.130	32.360	13	5.2	17	144.466	A
149	29.05.95	10:21:30	52.710	142.770	0	4.9	59	10.16	B
149	29.05.95	14:02:34	32.330	141.740	39	4.5	68	3.634	B
150	30.05.95	04:12:44	29.450	138.500	469	5.0	67	41.672	C
151	31.05.95	13:51:17	30.270	68.000	0	5.1	13	95.118	A
151	31.05.95	20:44:13	28.210	53.360	31	4.7	10	29.541	B
153	02.06.95	19:07:20	-31.760	-71.330	46	5.2	135	1.585	B
154	03.06.95	11:57:32	3.040	96.190	31	5.1	51	17.652	B
154	03.06.95	20:08:29	35.780	53.060	0	4.0	2	5.11	A
156	05.06.95	05:20:17	39.410	20.410	0	4.4	25	12.04	B
156	05.06.95	20:20:15	18.410	120.950	20	5.3	59	25.425	B
156	05.06.95	23:15:51	12.380	57.900	53	4.5	25	14.003	B
157	06.06.95	00:03:02	26.590	67.400	0	4.3	15	17.539	A
157	06.06.95	04:04:54	60.310	-146.470	0	4.9	79	9.953	B
157	06.06.95	04:36:04	40.200	21.980	54	4.4	24	14.699	B
157	06.06.95	13:43:59	7.220	123.790	0	4.9	68	9.136	B
158	07.06.95	23:09:48	32.680	48.900	21	4.7	7	26.108	A
162	11.06.95	19:20:47	11.710	125.650	0	4.8	67	7.367	B
162	11.06.95	21:55:45	32.490	69.660	0	5.0	12	74.295	A
164	13.06.95	10:42:46	53.090	142.790	49	4.8	58	8.106	C
164	13.06.95	21:35:03	52.980	142.680	26	4.7	58	6.44	C
165	14.06.95	05:42:28	35.960	58.170	0	4.1	3	6.479	A
165	14.06.95	11:15:05	12.100	-88.040	31	5.3	117	1.995	A
166	15.06.95	00:15:48	38.480	22.450	7	5.6	24	233.405	A
166	15.06.95	00:31:04	38.460	22.480	25	5.0	24	58.789	A
166	15.06.95	04:51:18	38.430	22.540	0	4.4	24	14.853	B
166	15.06.95	06:36:12	-6.330	125.840	539	5.2	78	95.494	B
166	15.06.95	18:37:36	38.710	69.940	90	4.2	11	10.209	A
166	15.06.95	21:21:18	39.550	67.020	81	3.9	8	4.392	B
167	16.06.95	09:12:39	37.060	71.660	236	4.0	12	7.205	B
167	16.06.95	13:49:49	-18.080	-178.060	558	5.6	129	6.31	B
167	16.06.95	21:11:09	28.280	68.330	76	3.8	14	5.287	B
168	17.06.95	01:37:08	-8.390	123.070	0	5.2	78	19.807	B
168	17.06.95	10:06:11	34.280	76.170	66	4.2	16	15.159	C
170	19.06.95	00:57:40	44.070	150.420	0	4.5	67	3.678	B
170	19.06.95	03:54:04	40.210	21.690	42	4.2	24	8.978	B
170	19.06.95	04:41:28	40.080	21.790	0	4.3	24	11.393	B
172	21.06.95	03:01:09	-6.830	150.840	103	4.1	98	0.653	B
172	21.06.95	09:53:30	38.750	26.450	93	3.8	20	5.891	C
172	21.06.95	15:28:52	-62.030	155.860	52	5.6	128	3.981	A
173	22.06.95	01:01:25	50.390	90.160	58	5.2	27	58.96	B
173	22.06.95	19:47:01	0.850	124.220	206	5.4	72	79.433	B
174	23.06.95	15:54:35	30.000	57.630	0	4.1	8	6.916	B
175	24.06.95	06:58:06	-3.880	153.820	375	6.3	98	161.886	A
176	25.06.95	02:10:36	-3.420	150.590	0	5.3	95	12.134	B
176	25.06.95	06:38:33	37.910	72.920	165	4.7	13	39.018	A
176	25.06.95	06:59:07	24.630	121.820	53	5.3	56	26.222	A

Events from global seismic catalogs, registered by the CSN

176	25.06.95	12:25:38	26.160	124.740	168	5.1	58	21.013	B
177	26.06.95	04:08:58	35.510	26.760	0	4.0	21	8.46	C
177	26.06.95	15:29:29	-6.500	103.390	0	4.3	63	2.439	C
177	26.06.95	21:12:52	36.150	51.050	0	4.1	3	6.452	A
177	26.06.95	23:27:31	39.790	48.360	0	4.4	4	12.966	A
178	27.06.95	00:46:39	39.810	48.310	0	4.2	4	8.182	A
178	27.06.95	05:16:35	-7.790	107.970	68	4.9	67	9.276	B
178	27.06.95	10:09:57	18.800	-81.770	0	5.1	108	1.734	B
178	27.06.95	16:47:15	-4.870	68.530	0	4.5	44	5.416	B
178	27.06.95	21:13:03	-17.240	66.850	43	4.6	56	5.244	B
179	28.06.95	21:14:46	-1.600	127.550	0	5.4	76	31.376	A
180	29.06.95	01:26:57	-33.800	-72.360	0	4.9	137	0.794	B
180	29.06.95	07:45:11	48.780	154.400	62	5.4	67	29.271	A
180	29.06.95	12:24:05	-19.450	169.320	149	5.8	120	5.012	A
180	29.06.95	15:16:44	35.240	139.010	165	4.5	64	6.232	B
180	29.06.95	23:02:26	51.810	103.350	0	4.9	35	16.788	A
180	29.06.95	23:03:44	21.980	99.210	0	4.9	40	15.83	B
180	29.06.95	23:13:12	17.150	43.560	0	4.3	23	13.193	B
181	30.06.95	11:58:56	24.621	-110.264	10	6.2	114	15.849	B
182	01.07.95	04:10:54	12.840	57.440	0	4.6	25	18.999	B
183	02.07.95	23:53:23	35.080	139.390	122	5.1	64	25.15	A
184	03.07.95	00:34:17	39.160	41.300	0	4.3	9	11.757	B
184	03.07.95	02:36:50	36.410	70.800	272	3.8	12	4.658	B
184	03.07.95	12:01:48	12.830	145.050	0	5.1	81	15.48	B
184	03.07.95	19:50:58	-29.230	-177.670	97	5.6	135	3.981	A
184	03.07.95	19:55:36	-28.950	-177.100	0	5.6	135	3.981	A
184	03.07.95	21:56:44	-28.960	-177.430	0	5.6	135	3.981	A
185	04.07.95	03:28:52	7.500	126.540	143	4.3	70	4.763	C
185	04.07.95	09:04:41	11.500	125.950	0	4.3	67	2.32	A
185	04.07.95	16:40:39	30.330	94.950	56	4.2	33	3.445	B
185	04.07.95	20:16:46	23.450	143.060	0	4.8	73	7.522	B
186	05.07.95	00:13:26	34.720	26.710	46	3.9	21	6.403	B
187	06.07.95	15:58:50	17.860	145.310	510	4.5	78	18.84	B
187	06.07.95	16:45:06	38.510	49.200	0	4.0	3	5.144	A
188	07.07.95	03:04:44	23.870	121.320	0	4.9	56	10.438	B
188	07.07.95	07:03:43	52.830	142.710	0	4.7	58	6.434	B
188	07.07.95	21:15:19	33.900	137.020	329	5.3	63	85.506	A
189	08.07.95	03:16:30	31.020	56.110	0	3.5	7	1.655	B
189	08.07.95	05:42:56	39.610	143.500	27	5.1	65	15.006	A
189	08.07.95	11:39:06	4.360	62.610	0	4.7	34	10.707	B
189	08.07.95	11:44:42	4.350	62.640	0	4.8	34	13.476	B
189	08.07.95	17:15:26	53.680	-163.920	17	5.2	81	19.411	A
189	08.07.95	23:49:42	-24.030	-176.330	0	5.3	133	1.995	B
190	09.07.95	02:29:47	37.240	71.790	125	4.4	12	19.494	A
190	09.07.95	15:56:24	36.090	100.330	0	4.8	35	13.381	B
190	09.07.95	20:31:30	21.920	99.090	0	5.3	40	39.822	A
190	09.07.95	20:33:33	21.770	99.120	0	4.8	40	12.553	A
190	09.07.95	21:01:18	-5.510	132.460	0	4.9	83	9.413	C
191	10.07.95	02:42:41	12.290	141.420	121	4.5	79	7.942	B
192	11.07.95	09:38:51	36.030	70.930	145	3.7	12	3.885	B
192	11.07.95	21:46:38	21.890	99.080	0	5.6	40	79.446	A
192	11.07.95	23:45:42	29.950	69.320	0	4.4	14	20.325	C
193	12.07.95	09:38:12	2.500	116.960	0	5.2	66	18.691	B
193	12.07.95	15:47:08	-23.370	170.740	86	5.3	123	1.995	A
193	12.07.95	18:38:51	12.260	125.010	38	5.5	66	37.276	A

Events from global seismic catalogs, registered by the CSN

194	13.07.95	18:02:54	-3.160	134.770	0	5.0	83	11.775	B
195	14.07.95	16:52:50	24.360	122.130	30	4.6	57	5.209	B
196	15.07.95	10:54:20	71.820	-1.330	21	4.8	41	11.993	B
197	16.07.95	09:27:16	30.430	95.130	58	4.1	33	2.733	C
198	17.07.95	23:18:12	40.170	21.650	0	5.1	24	70.924	A
199	18.07.95	07:42:51	40.030	21.640	0	4.5	24	17.731	B
199	18.07.95	14:35:46	-3.970	135.260	26	5.0	84	11.536	B
199	18.07.95	22:00:51	46.110	150.990	35	5.1	66	14.764	B
199	18.07.95	22:56:49	38.990	25.000	0	4.6	22	31.735	B
200	19.07.95	12:57:37	54.660	19.400	0	4.3	27	7.346	C
200	19.07.95	18:23:14	40.100	21.810	13	4.5	24	18.107	B
201	20.07.95	20:44:21	36.320	68.860	0	4.3	10	12.721	A
202	21.07.95	01:48:19	32.720	50.000	41	3.8	6	3.277	A
202	21.07.95	22:44:08	36.440	103.260	29	5.1	37	26.045	A
204	23.07.95	11:28:09	39.350	69.290	54	3.9	10	4.921	B
205	24.07.95	10:19:50	29.770	130.530	44	4.4	60	3.149	B
205	24.07.95	19:13:22	55.460	-35.020	0	4.9	57	10.35	A
206	25.07.95	02:49:34	43.650	45.710	69	3.7	7	2.626	B
206	25.07.95	15:13:31	10.720	-41.240	34	4.7	86	5.455	B
206	25.07.95	15:32:47	-2.320	125.030	0	5.1	75	15.472	B
206	25.07.95	22:39:23	44.380	148.210	26	4.7	65	5.931	B
207	26.07.95	20:47:43	39.120	71.760	0	4.5	12	22.182	A
207	26.07.95	23:42:01	2.540	127.530	48	5.4	74	30.406	A
208	27.07.95	01:26:57	39.130	71.970	0	4.2	12	11.232	B
208	27.07.95	05:51:20	-12.560	79.190	17	5.3	55	26.544	A
208	27.07.95	05:55:36	-12.620	79.140	19	4.9	55	10.563	B
208	27.07.95	12:21:23	-8.660	111.190	0	5.0	69	11.539	B
208	27.07.95	15:16:29	8.960	93.920	22	4.6	45	6.751	B
208	27.07.95	22:18:56	9.140	94.090	0	4.6	45	6.755	B
209	28.07.95	14:29:05	-21.090	-175.240	34	5.6	133	3.981	A
209	28.07.95	14:52:23	31.580	69.340	0	4.5	13	23.964	C
209	28.07.95	22:43:36	40.330	21.690	56	4.0	24	5.682	B
210	29.07.95	07:59:54	35.390	26.380	128	4.0	21	7.067	B
210	29.07.95	08:01:20	4.170	126.500	0	5.4	72	29.768	A
210	29.07.95	14:53:48	4.130	126.800	0	4.1	72	1.496	C
210	29.07.95	16:18:46	30.350	138.300	449	4.9	66	33.815	A
210	29.07.95	18:24:03	35.760	140.230	57	4.7	64	5.995	B
211	30.07.95	05:11:17	-23.360	-70.460	0	5.4	130	2.512	A
211	30.07.95	05:49:58	-23.030	-69.230	0	5.4	129	2.512	B
211	30.07.95	07:03:57	30.110	88.140	0	4.7	27	16.679	B
211	30.07.95	11:51:18	28.650	129.170	49	5.2	60	19.978	B
211	30.07.95	15:13:05	4.140	126.650	0	5.2	72	18.811	B
211	30.07.95	21:05:49	-23.410	-70.630	23	5.1	130	1.259	A
213	01.08.95	02:10:37	46.400	153.580	13	4.9	68	9.17	A
214	02.08.95	00:14:13	-23.100	-70.480	49	4.7	130	0.501	B
214	02.08.95	19:26:26	34.850	32.920	0	4.2	17	14.997	B
214	02.08.95	22:25:52	32.930	59.680	0	4.1	6	6.574	B
214	02.08.95	22:47:33	33.400	76.770	0	3.8	17	6.185	C
215	03.08.95	01:16:40	80.370	-2.660	0	4.5	45	5.291	B
215	03.08.95	01:57:17	-23.010	-70.610	0	5.0	130	1	B
215	03.08.95	08:18:55	-28.140	-68.920	109	5.5	131	2.512	A
215	03.08.95	14:03:07	-23.040	-70.540	32	4.3	130	0.2	B
216	04.08.95	13:31:51	52.940	152.780	536	4.4	64	13.951	B
216	04.08.95	16:53:34	-18.250	172.030	0	3.6	121	0.04	B
217	05.08.95	16:46:56	32.070	49.760	0	3.9	7	4.137	B

Events from global seismic catalogs, registered by the CSN

217	05.08.95	22:42:03	-22.590	-10.640	0	5.1	86	13.794	C
218	06.08.95	11:59:35	44.510	146.900	73	4.7	64	5.991	B
218	06.08.95	19:29:05	15.860	59.790	0	4.5	22	22.567	B
219	07.08.95	19:44:23	4.030	143.850	0	5.2	85	17.581	B
220	08.08.95	00:35:21	11.880	125.920	10	5.0	67	11.661	B
220	08.08.95	12:48:19	37.820	72.160	91	3.9	12	5.782	B
222	10.08.95	00:41:03	-15.640	41.370	0	4.8	55	8.435	B
225	13.08.95	05:17:26	38.120	23.020	0	4.6	23	24.593	B
226	14.08.95	04:37:03	-4.630	151.590	0	6.0	97	52.808	B
228	16.08.95	10:27:30	-5.700	154.060	38	5.6	100	16.552	A
228	16.08.95	15:04:02	-31.890	179.510	466	5.2	134	1.585	A
228	16.08.95	16:24:31	-5.370	153.510	35	5.3	99	8.795	B
228	16.08.95	20:58:49	28.370	128.080	0	4.7	59	6.368	A
228	16.08.95	23:10:21	-5.840	154.430	0	5.7	100	20.129	A
228	16.08.95	23:31:15	-6.910	129.330	159	5.1	81	29.186	C
228	16.08.95	23:50:31	50.170	176.040	0	5.2	77	19.532	B
229	17.08.95	00:15:49	-5.940	154.340	0	5.7	100	20.145	B
229	17.08.95	00:59:59	41.600	88.860	0	5.5	25	151.75	A
229	17.08.95	10:01:25	-5.180	153.310	0	5.0	99	4.521	C
229	17.08.95	23:14:21	36.350	71.140	246	5.3	12	145.423	A
230	18.08.95	00:52:24	37.840	29.500	0	4.7	18	49.889	A
230	18.08.95	02:16:21	-55.890	-28.780	0	5.4	117	2.512	B
230	18.08.95	04:24:31	41.530	48.480	0	4.2	4	8.197	A
230	18.08.95	09:18:07	53.630	-163.630	26	4.5	81	3.862	B
231	19.08.95	20:28:06	42.330	70.650	0	4.6	12	26.18	B
231	19.08.95	21:43:34	5.100	-75.590	131	5.6	115	3.162	A
232	20.08.95	18:53:08	40.270	22.020	0	3.7	24	2.951	B
234	22.08.95	05:34:20	36.800	26.780	179	4.6	21	29.907	B
235	23.08.95	04:56:38	-5.440	153.400	0	4.6	99	1.762	B
235	23.08.95	07:06:05	18.900	145.070	603	5.9	77	553.849	A
235	23.08.95	07:12:55	18.960	145.380	653	4.5	78	22.195	A
235	23.08.95	07:57:39	19.110	144.940	606	4.8	77	43.65	B
235	23.08.95	13:14:41	-56.590	-141.510	0	5.5	158	3.162	B
236	24.08.95	01:55:39	18.860	145.060	636	5.3	77	139.206	A
236	24.08.95	06:28:56	18.840	145.120	618	5.1	77	88.005	A
236	24.08.95	07:54:43	18.900	145.160	607	4.9	77	55.512	A
236	24.08.95	07:55:29	18.820	144.950	617	5.0	77	69.633	A
237	25.08.95	10:53:05	28.510	57.160	96	4.1	9	7.519	B
237	25.08.95	16:51:43	-18.480	-175.420	186	5.1	131	1	B
238	26.08.95	06:57:13	-5.770	153.550	0	5.1	99	5.409	A
238	26.08.95	14:47:53	8.370	126.990	57	4.7	70	5.783	A
238	26.08.95	16:06:25	28.510	128.510	112	4.2	59	2.682	C
238	26.08.95	17:16:56	-8.210	121.600	22	5.1	76	15.737	C
240	28.08.95	10:46:12	26.158	-110.349	10	5.6	112	3.981	A
240	28.08.95	11:46:01	37.990	89.040	0	4.6	26	17.46	B
240	28.08.95	15:35:26	3.830	124.560	299	5.1	71	39.811	B
241	29.08.95	07:25:48	-47.980	99.440	0	5.2	94	10.543	B
241	29.08.95	13:06:41	2.410	127.390	34	4.9	74	9.613	B
242	30.08.95	23:04:07	-19.306	-173.553	33	5.8	133	6.31	B
243	31.08.95	17:10:39	-15.800	166.510	33	5.4	115	2.512	B
243	31.08.95	20:26:43	36.480	71.150	229	4.5	12	23.074	B
244	01.09.95	06:30:35	0.090	123.070	128	5.1	72	30.516	B
247	04.09.95	12:10:17	39.860	51.170	0	4.2	1	8.103	A
247	04.09.95	17:47:06	29.950	57.540	0	4.2	8	8.719	B
249	06.09.95	22:48:48	14.900	-94.140	0	4.7	117	0.501	B

Events from global seismic catalogs, registered by the CSN

250	07.09.95	13:16:47	39.000	144.320	39	4.7	66	5.916	B
251	08.09.95	01:15:28	-55.990	-122.620	0	5.0	162	1	B
251	08.09.95	13:03:33	33.600	54.000	0	3.7	4	2.588	B
251	08.09.95	16:03:36	-9.150	67.490	0	4.7	48	7.506	B
252	09.09.95	20:58:44	-20.290	-69.270	98	5.0	127	1	B
254	11.09.95	11:57:39	50.360	18.930	0	4.0	26	4.169	C
257	14.09.95	12:24:33	-17.570	-179.020	516	5.1	128	1.995	B
257	14.09.95	14:04:31	16.710	-98.430	20	5.4	117	2.512	A
258	15.09.95	20:53:08	51.250	179.230	36	4.9	77	9.855	B
260	17.09.95	07:25:30	-35.630	-74.340	27	5.5	139	3.162	B
260	17.09.95	17:09:22	-17.220	66.670	14	5.3	56	26.297	A
261	18.09.95	06:56:32	-6.960	129.240	179	5.1	81	29.257	B
261	18.09.95	18:08:42	40.200	46.380	0	3.9	5	4.13	B
262	19.09.95	01:33:14	0.230	27.610	0	4.3	45	3.346	B
262	19.09.95	01:48:09	35.030	26.440	0	4.6	22	31.655	B
262	19.09.95	20:21:13	35.810	69.820	88	4.0	11	6.761	B
262	19.09.95	21:05:53	41.160	142.190	68	4.7	63	6.087	B
265	22.09.95	08:51:49	1.110	19.340	0	5.2	49	23.208	C
265	22.09.95	12:56:21	37.300	58.790	0	3.9	2	4.079	A
266	23.09.95	02:34:17	-5.930	146.700	48	5.5	94	22.062	C
266	23.09.95	16:05:51	-5.560	104.070	52	5.4	62	30.799	A
266	23.09.95	22:31:48	-10.710	-78.490	0	5.7	128	5.012	A
268	25.09.95	03:17:29	34.540	25.700	67	4.1	22	8.952	B
268	25.09.95	09:13:29	-4.680	130.480	42	5.2	81	19.686	B
268	25.09.95	12:02:38	44.700	41.290	0	4.6	10	25.212	B
268	25.09.95	17:04:49	1.100	19.430	0	5.2	49	23.246	B
269	26.09.95	04:39:01	41.850	81.720	0	5.1	20	122.475	B
269	26.09.95	04:42:18	38.460	86.130	0	5.1	23	78.297	B
269	26.09.95	07:14:39	41.870	143.270	37	5.1	63	15.227	B
270	27.09.95	14:15:52	38.010	30.190	0	4.6	18	38.565	B
271	28.09.95	08:32:33	44.480	80.450	20	4.5	19	31.443	B
271	28.09.95	23:44:41	42.640	18.300	0	4.9	26	32.427	A
273	30.09.95	10:14:29	41.790	15.910	0	5.1	28	38.871	B
273	30.09.95	10:47:53	50.940	157.260	0	5.0	67	11.602	A
273	30.09.95	13:56:31	51.820	142.950	0	4.8	59	8.05	C

Events, registered and located only by the CSN

Jul day	Date	Time	Latitude	Longitude	Depth	Mag	Delta	Ampl.	Qua
					km		degrees	nm	
239	27.08.94	19:58:29	38.301	55.369	31	3.3	2	2.122	A
244	01.09.94	01:19:10	39.034	53.563	31	3.0	1	1.096	B
246	03.09.94	00:24:25	39.004	54.261	31	2.9	1	0.866	A
247	04.09.94	16:18:04	40.297	53.941	31	2.0	1	0.095	A
250	07.09.94	08:57:43	39.692	53.903	31	1.2	1	0.017	B
251	08.09.94	17:35:24	38.997	54.712	31	2.0	1	0.095	A
253	10.09.94	17:13:07	39.345	53.715	31	3.8	1	6.627	A
254	11.09.94	16:32:57	39.075	54.100	31	2.7	1	0.540	A
256	13.09.94	14:02:30	39.712	55.047	31	3.2	1	1.488	A
262	19.09.94	03:09:19	38.848	53.587	31	3.0	1	1.096	A
270	27.09.94	16:22:30	39.711	52.932	31	2.5	1	0.336	A
270	27.09.94	21:48:06	38.950	54.151	31	2.0	1	0.095	B
272	29.09.94	08:50:12	39.682	52.929	31	2.6	1	0.426	A
279	06.10.94	22:07:19	39.075	54.189	31	2.2	0	0.144	A
279	06.10.94	22:17:13	39.051	54.252	31	1.8	0	0.063	A
284	11.10.94	10:11:43	39.029	54.186	31	2.0	1	0.095	A
284	11.10.94	19:36:07	40.339	52.873	31	2.0	2	0.095	B
286	13.10.94	11:22:23	43.821	54.166	31	3.6	4	3.831	B
289	16.10.94	01:00:37	38.066	52.778	31	2.5	2	0.336	B
289	16.10.94	15:54:47	40.274	55.019	31	2.2	1	0.144	A
294	21.10.94	22:09:20	42.301	55.544	31	3.3	3	2.122	A
300	27.10.94	01:22:07	37.877	52.048	31	3.1	3	1.322	B
301	28.10.94	23:10:26	39.119	54.412	31	0.8	0	0.007	B
304	31.10.94	23:58:11	39.023	54.200	31	1.0	1	0.011	A
307	03.11.94	20:41:16	42.326	53.958	31	3.3	3	2.122	B
324	20.11.94	18:34:15	39.824	53.977	31	1.6	1	0.042	B
328	24.11.94	07:46:53	39.219	54.065	31	1.2	0	0.017	A
330	26.11.94	18:51:55	39.359	54.174	31	0.8	0	0.007	B
032	01.02.95	20:31:01	39.029	54.186	31	1.8	1	0.063	A
037	06.02.95	21:19:52	44.278	50.670	31	3.8	7	5.888	A
041	10.02.95	20:35:00	39.742	53.925	31	1.6	2	0.042	A
047	16.02.95	19:21:13	39.322	54.871	31	1.2	2	0.017	A
051	20.02.95	05:10:30	39.363	54.171	31	1.6	2	0.042	A
051	20.02.95	07:12:25	39.259	54.461	31	1.2	2	0.017	A
051	20.02.95	17:01:29	39.579	53.830	31	1.6	2	0.042	A
051	20.02.95	23:39:01	39.276	54.505	31	1.6	2	0.042	A
055	24.02.95	03:28:11	39.432	53.962	31	1.2	2	0.017	A
059	28.02.95	12:18:31	38.913	54.499	31	2.4	1	0.265	A
059	28.02.95	15:29:32	41.752	54.297	31	3.2	4	1.675	A
061	02.03.95	15:36:14	38.981	54.008	31	0.8	1	0.007	A
062	03.03.95	06:53:45	39.766	54.387	31	2.0	2	0.095	A
063	04.03.95	01:59:15	39.303	54.864	31	2.3	2	0.210	A
066	07.03.95	23:10:32	39.003	54.267	31	1.8	1	0.063	A
069	10.03.95	16:08:55	39.707	54.222	31	0.6	2	0.004	A
070	11.03.95	20:42:41	41.466	50.537	31	3.5	4	3.404	A
070	11.03.95	22:33:24	39.729	54.652	31	1.8	2	0.063	A
074	15.03.95	19:05:39	39.202	54.082	31	1.2	2	0.017	A
074	15.03.95	21:26:40	39.097	53.881	31	1.7	1	0.051	A
075	16.03.95	04:48:00	39.254	54.333	31	1.8	2	0.063	A
075	16.03.95	10:05:00	39.551	54.149	31	0.4	2	0.003	B
076	17.03.95	09:01:57	39.972	52.726	31	0.5	2	0.003	A
076	17.03.95	12:05:50	39.103	56.023	31	2.0	1	0.099	B

Events, registered and located only by the CSN

077	18.03.95	16:54:42	36.277	54.334	31	1.8	1	0.063	B
077	18.03.95	18:22:17	39.678	53.675	31	0.5	2	0.003	A
078	19.03.95	23:50:16	38.825	53.402	31	1.2	1	0.017	A
079	20.03.95	22:00:25	41.255	54.712	31	2.0	4	0.095	A
080	21.03.95	07:35:45	39.515	54.042	31	0.6	2	0.004	A
081	22.03.95	11:23:28	40.446	52.651	31	1.3	3	0.021	A
081	22.03.95	11:30:19	39.835	53.519	31	1.1	2	0.014	A
084	25.03.95	21:24:08	39.844	54.643	31	0.8	2	0.007	A
085	26.03.95	01:35:42	36.821	57.042	31	2.3	1	0.210	B
085	26.03.95	09:27:21	39.915	53.075	31	1.6	2	0.043	A
085	26.03.95	19:21:47	38.330	53.895	31	2.2	1	0.210	A
085	26.03.95	21:54:15	40.289	54.570	31	2.0	3	0.095	A
086	27.03.95	00:29:24	39.365	54.213	31	0.8	2	0.007	B
086	27.03.95	13:37:49	39.244	53.204	31	1.8	2	0.095	A
086	27.03.95	15:52:28	40.382	51.880	31	1.7	3	0.051	A
087	28.03.95	08:01:27	40.084	53.222	31	1.7	2	0.045	A
087	28.03.95	10:59:36	39.405	54.625	31	0.5	2	0.003	B
087	28.03.95	14:15:00	39.015	54.550	31	0.8	1	0.007	B
088	29.03.95	11:58:59	40.199	53.689	31	1.4	3	0.027	A
088	29.03.95	18:40:42	40.260	52.333	31	1.2	3	0.016	B
089	30.03.95	08:57:06	40.711	51.911	31	1.2	3	0.017	B
090	31.03.95	11:35:38	39.818	54.064	31	1.4	2	0.027	A
091	01.04.95	16:45:17	40.521	53.221	31	0.9	3	0.008	A
091	01.04.95	19:13:33	37.613	54.209	31	2.6	0	1.322	A
093	03.04.95	03:54:07	41.353	53.368	31	1.6	4	0.042	B
093	03.04.95	10:17:46	39.450	52.784	31	1.6	2	0.036	A
096	06.04.95	14:17:20	39.161	53.520	31	2.3	1	0.210	A
096	06.04.95	19:08:22	39.827	54.608	31	0.8	2	0.007	A
097	07.04.95	09:18:56	40.311	53.322	31	1.0	3	0.010	A
101	11.04.95	04:29:13	39.713	52.640	31	1.2	2	0.017	A
101	11.04.95	08:15:30	40.154	53.138	31	0.6	2	0.004	A
103	13.04.95	08:34:42	40.079	53.179	31	0.6	2	0.004	A
106	16.04.95	10:12:07	40.288	53.783	31	1.4	3	0.027	A
106	16.04.95	16:44:16	40.167	53.160	31	0.6	2	0.004	B
108	18.04.95	09:25:41	40.655	53.459	31	1.2	3	0.017	B
109	19.04.95	20:57:50	38.554	57.212	31	3.1	1	1.322	A
109	19.04.95	20:59:30	40.329	53.080	31	1.4	3	0.027	B
109	19.04.95	22:53:42	39.994	53.781	31	2.0	2	0.095	A
111	21.04.95	10:01:51	39.899	52.760	31	0.7	2	0.005	A
114	24.04.95	00:40:17	35.904	52.761	31	3.0	2	1.096	B
114	24.04.95	01:37:15	37.236	54.244	31	2.7	0	0.540	B
114	24.04.95	20:06:43	39.077	54.432	31	1.2	1	0.017	A
115	25.04.95	10:24:52	40.116	53.133	31	0.7	2	0.005	A
117	27.04.95	05:38:04	39.715	53.174	31	0.7	2	0.005	A
119	29.04.95	11:16:02	39.791	52.892	31	0.7	2	0.005	C
119	29.04.95	13:51:21	39.338	52.748	31	1.8	2	0.063	A
121	01.05.95	00:18:51	38.740	52.762	31	3.5	1	3.404	A
122	02.05.95	22:06:09	39.704	54.650	31	2.7	2	0.540	A
123	03.05.95	21:35:07	37.637	54.146	31	2.0	0	0.095	B
125	05.05.95	10:58:30	40.580	52.766	31	1.2	3	0.016	B
126	06.05.95	12:19:06	38.815	53.870	31	1.8	1	0.063	B
126	06.05.95	18:53:00	37.918	54.951	31	3.0	0	1.096	A
129	09.05.95	09:45:19	38.571	56.477	31	3.5	1	3.404	A
133	13.05.95	07:08:26	39.517	54.590	31	2.0	2	0.095	A
136	16.05.95	02:19:48	39.643	53.098	31	0.7	2	0.005	B

Events, registered and located only by the CSN

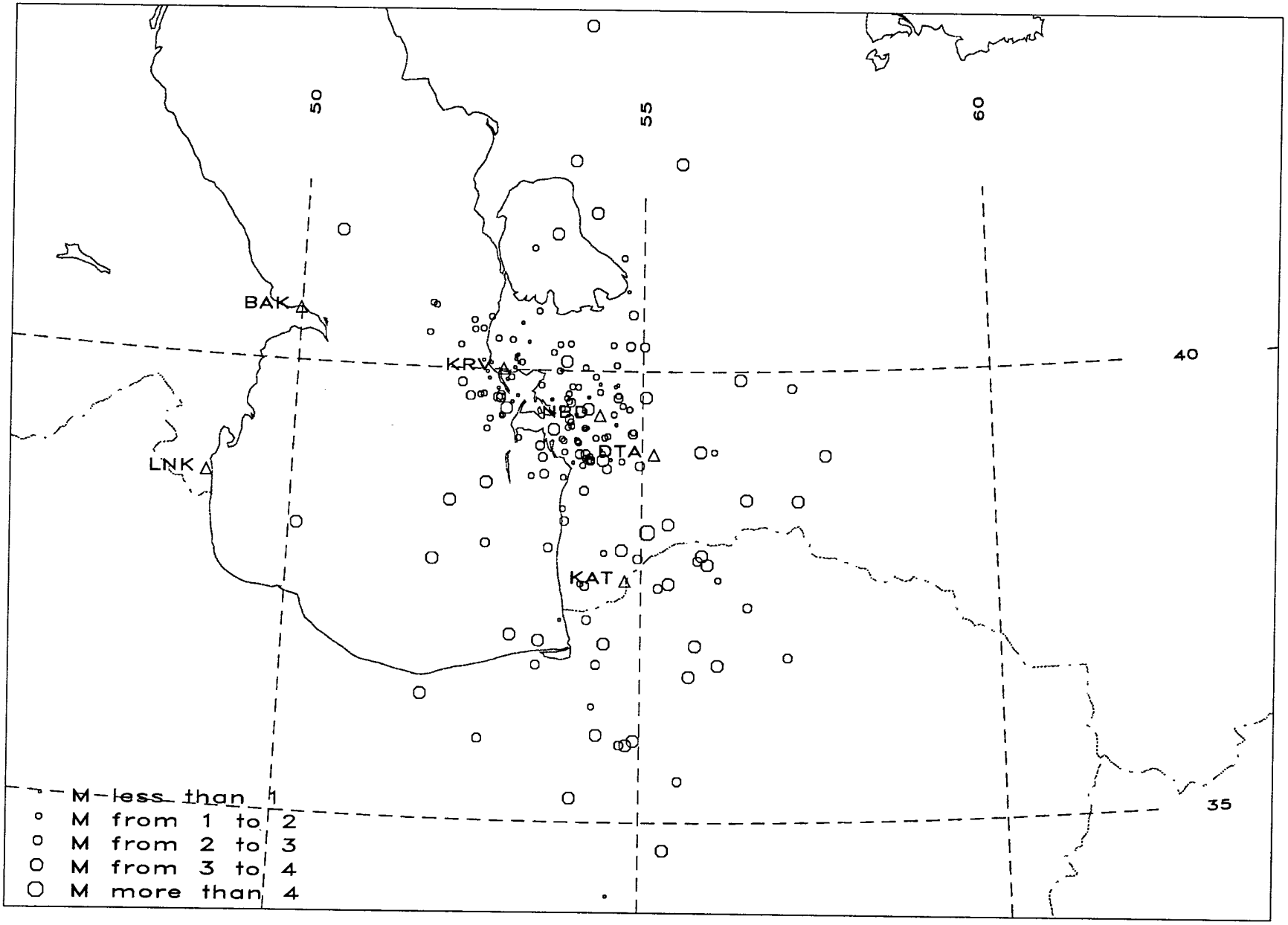
136	16.05.95	12:00:33	38.997	54.292	31	1.0	1	0.011	A
137	17.05.95	04:49:40	39.808	57.143	31	2.5	2	0.299	B
137	17.05.95	21:15:06	39.646	53.957	31	2.2	2	0.144	A
138	18.05.95	02:05:48	34.179	54.577	31	0.9	3	0.008	A
138	18.05.95	03:51:52	37.234	53.863	31	0.9	0	0.007	B
139	19.05.95	12:02:39	40.022	53.120	31	0.7	2	0.005	A
139	19.05.95	19:40:45	38.466	53.866	31	2.0	1	0.095	B
139	19.05.95	21:24:54	37.062	53.158	31	3.2	1	1.488	B
140	20.05.95	01:08:01	39.221	53.868	31	1.6	2	0.042	A
142	22.05.95	17:24:58	37.592	55.236	31	2.7	0	0.457	B
144	24.05.95	17:32:36	38.533	52.257	31	3.7	1	5.080	A
145	25.05.95	11:53:03	40.070	52.778	31	0.8	2	0.007	A
147	27.05.95	00:28:25	39.369	53.924	31	1.1	2	0.012	B
150	30.05.95	20:57:17	36.737	56.064	31	3.9	1	7.913	B
151	31.05.95	18:39:37	40.434	52.529	31	1.2	3	0.017	A
153	02.06.95	01:38:35	39.463	53.940	31	2.5	2	0.336	B
153	02.06.95	05:10:46	38.011	54.724	31	3.2	0	1.675	A
155	04.06.95	01:39:28	39.845	52.374	31	2.4	2	0.265	A
155	04.06.95	05:54:02	37.853	55.922	31	3.8	0	7.031	B
155	04.06.95	07:20:07	39.908	56.398	31	3.9	2	8.906	B
155	04.06.95	16:07:59	39.575	54.814	31	1.2	2	0.017	B
156	05.06.95	01:39:28	40.276	54.817	31	2.7	3	0.540	A
157	06.06.95	12:33:33	38.195	50.115	31	3.7	1	5.232	A
160	09.06.95	13:19:40	39.725	52.688	31	1.2	2	0.017	A
165	14.06.95	05:43:21	38.212	55.081	31	4.3	1	18.012	A
166	15.06.95	08:47:50	39.058	57.613	31	3.8	1	5.888	B
168	17.06.95	13:03:42	40.690	51.959	31	2.0	3	0.095	A
169	18.06.95	07:38:29	39.853	54.387	31	1.0	2	0.011	A
170	19.06.95	03:15:57	39.613	54.716	31	1.2	2	0.017	B
172	21.06.95	11:22:45	35.903	54.916	31	3.3	2	2.122	B
176	25.06.95	21:07:49	39.689	52.887	31	2.5	2	0.336	A
176	25.06.95	22:40:07	37.953	55.846	31	3.3	0	2.122	B
176	25.06.95	23:40:43	36.742	54.387	31	3.0	1	1.096	B
177	26.06.95	06:18:45	37.683	56.072	31	2.0	0	0.095	B
179	28.06.95	06:30:17	39.010	54.440	31	4.0	1	10.633	A
180	29.06.95	21:00:14	36.614	55.669	31	3.3	1	2.122	A
182	01.07.95	09:21:59	38.670	54.177	31	2.5	1	0.336	B
182	01.07.95	23:20:43	37.897	55.787	31	2.5	0	0.336	A
183	02.07.95	09:46:40	45.036	50.262	31	4.4	7	26.710	B
183	02.07.95	12:17:25	39.658	53.934	31	1.6	2	0.042	A
183	02.07.95	13:25:43	40.885	54.784	31	0.8	3	0.007	A
183	02.07.95	19:57:43	35.855	54.728	31	2.5	2	0.336	A
183	02.07.95	20:26:57	36.734	53.533	31	3.0	1	1.096	A
184	03.07.95	11:13:20	40.095	52.668	31	0.8	2	0.007	A
184	03.07.95	14:56:03	37.382	56.480	31	3.0	0	1.096	B
185	04.07.95	06:30:33	40.034	54.166	31	1.6	2	0.042	A
185	04.07.95	07:18:04	40.537	52.514	31	1.6	3	0.042	A
185	04.07.95	20:11:05	39.241	53.838	31	1.2	2	0.017	A
186	05.07.95	00:13:27	40.064	54.624	31	1.8	2	0.063	A
187	06.07.95	00:06:54	39.696	52.496	31	2.2	2	0.144	A
187	06.07.95	13:51:33	39.571	53.015	31	3.9	2	7.913	A
196	15.07.95	15:57:27	39.488	52.952	31	0.8	2	0.007	A
198	17.07.95	06:15:00	39.934	54.321	31	1.8	2	0.063	A
198	17.07.95	06:29:06	39.384	53.973	31	1.8	2	0.063	A
199	18.07.95	11:47:52	36.973	54.491	31	3.3	1	2.122	A

Events, registered and located only by the CSN

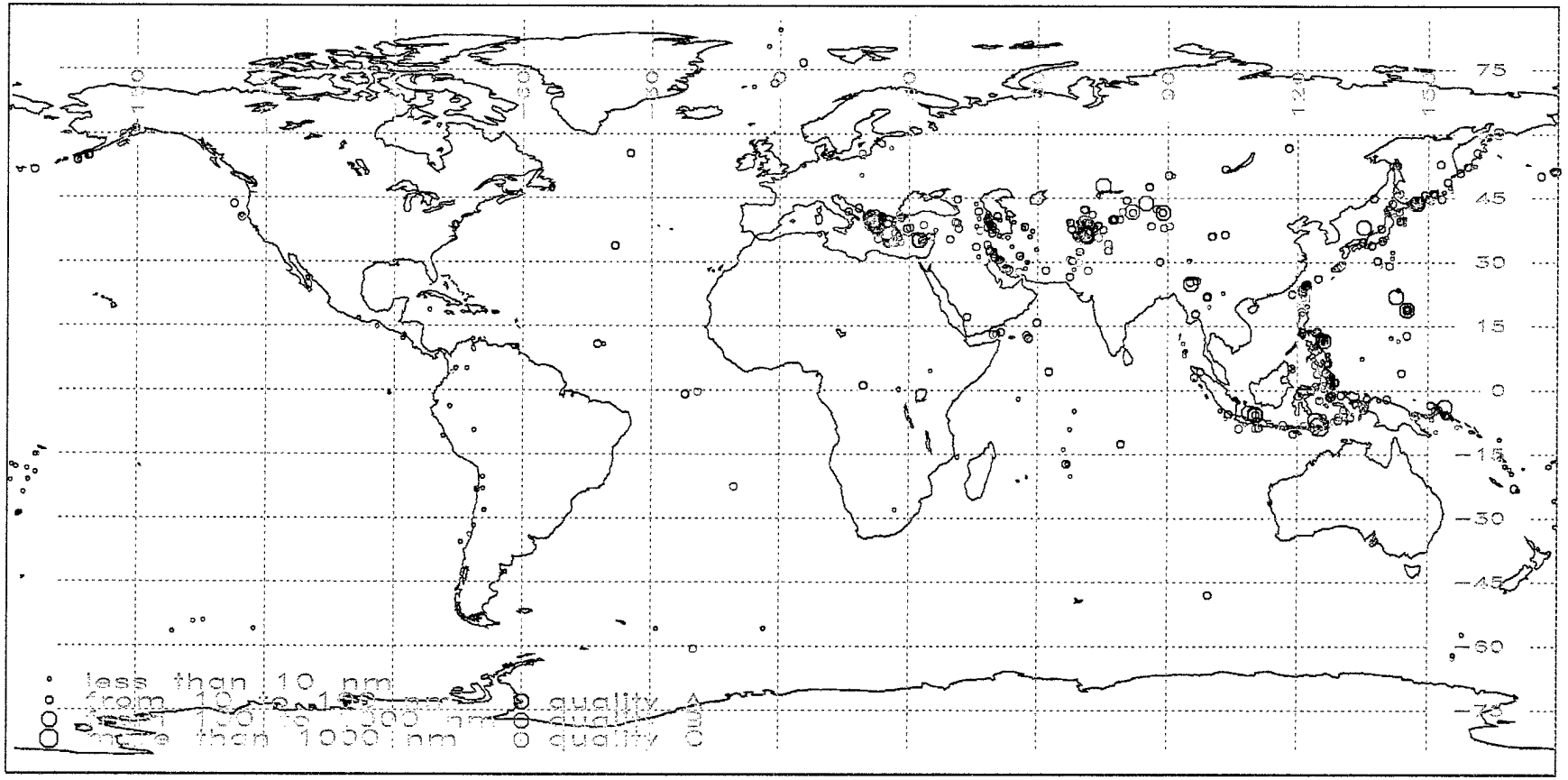
208	27.07.95	19:44:13	34.695	55.325	31	3.6	3	3.831	A
208	27.07.95	23:41:45	40.103	53.886	31	3.2	2	1.675	B
211	30.07.95	23:40:49	39.243	54.045	31	0.8	2	0.007	A
215	03.08.95	22:09:52	35.458	55.521	31	3.0	2	1.096	B
216	04.08.95	16:31:47	38.030	53.671	31	2.5	0	0.336	A
216	04.08.95	18:11:09	39.892	53.018	31	0.8	2	0.007	A
223	11.08.95	21:25:18	35.855	54.815	31	3.6	2	3.831	B
224	12.08.95	05:09:15	37.978	54.474	31	2.0	0	0.095	B
226	14.08.95	23:32:28	35.964	54.404	31	3.8	2	5.888	A
229	17.08.95	18:10:04	35.267	54.052	31	3.8	2	5.888	A
235	23.08.95	14:18:08	40.000	53.821	31	1.0	2	0.011	A
250	07.09.95	17:10:26	37.004	53.564	31	3.8	1	5.888	A
253	10.09.95	03:15:34	39.488	52.957	31	2.0	2	0.095	B
257	14.09.95	00:07:06	38.951	54.965	31	2.7	1	0.540	B
262	19.09.95	12:23:26	40.625	54.850	31	3.0	3	1.096	A
264	21.09.95	19:41:39	39.105	55.829	31	3.8	1	5.888	A
265	22.09.95	18:23:58	36.377	51.963	31	3.8	1	5.888	B
269	26.09.95	01:24:29	39.575	54.215	31	3.7	2	5.551	A
271	28.09.95	11:42:29	36.955	55.752	31	3.3	1	2.122	B
271	28.09.95	13:08:41	41.514	53.707	31	4.0	4	10.633	A
271	28.09.95	19:42:18	37.641	55.380	31	3.4	0	2.687	A
271	28.09.95	19:42:18	37.641	55.380	31	3.4	0	2.687	A

Appendix 2

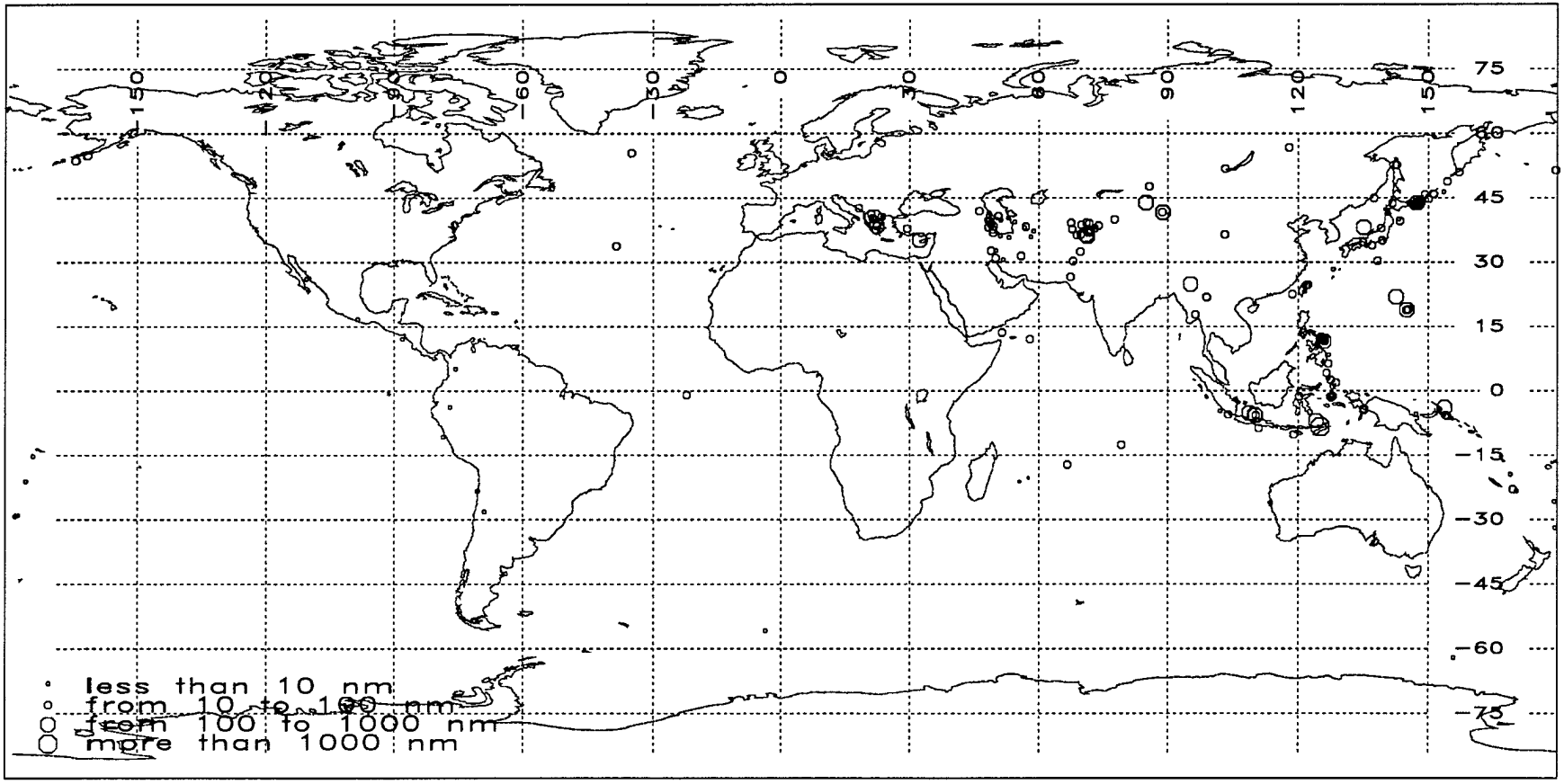
Events registered and located only by the CSN



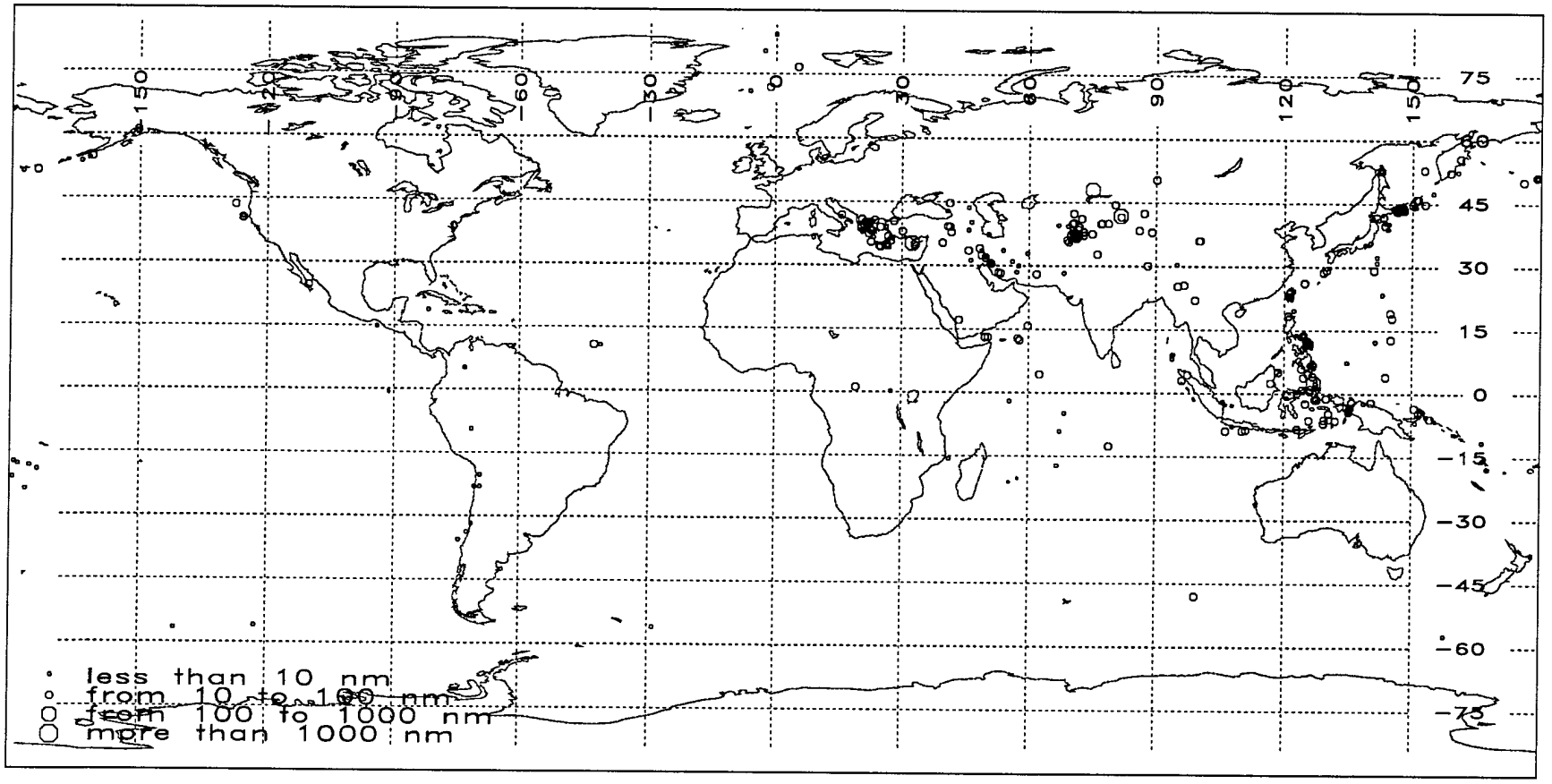
All events from global seismic catalogs, registered by the CSN



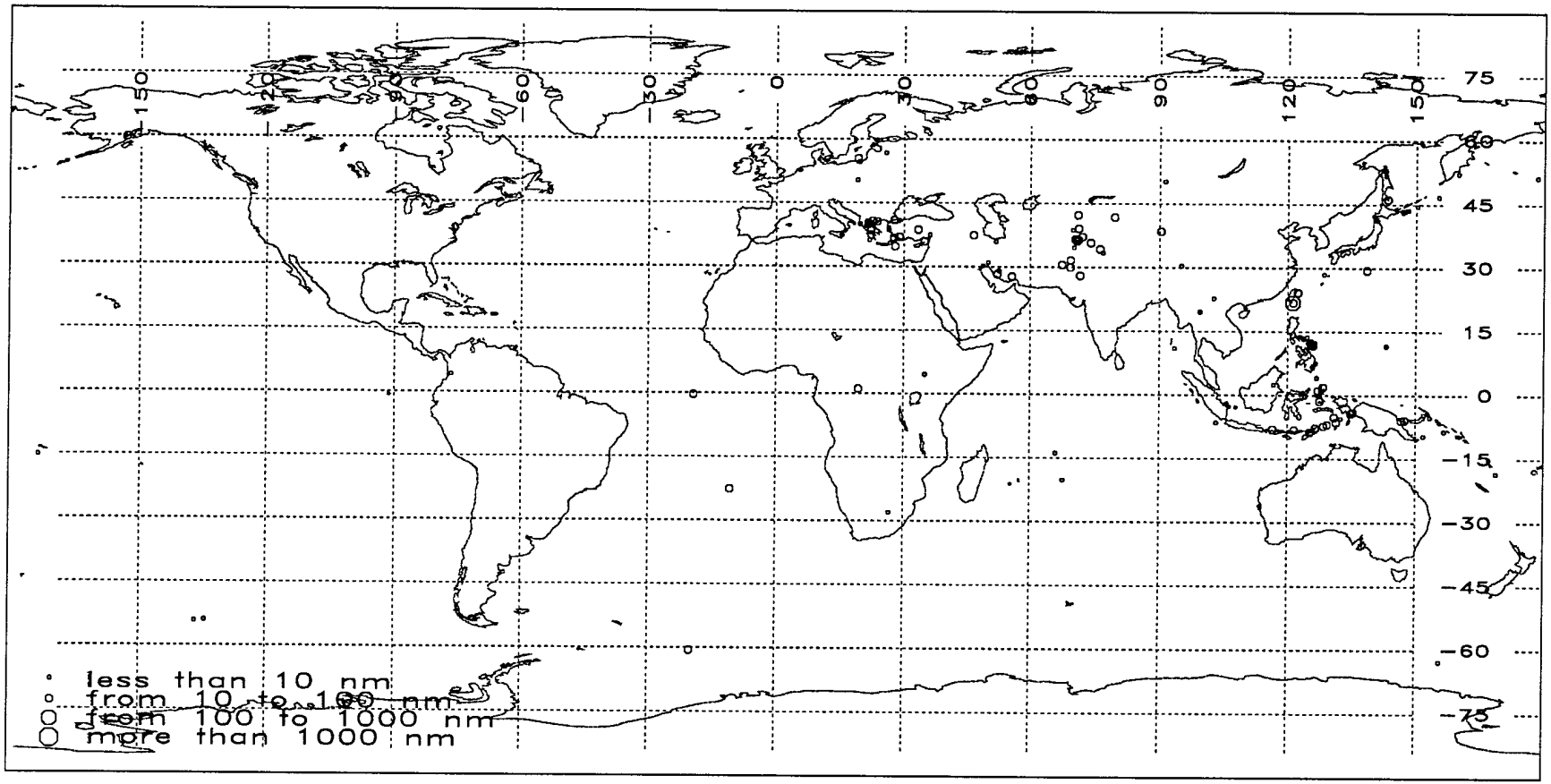
Events from global seismic catalogs, registered by the CSN with quality A



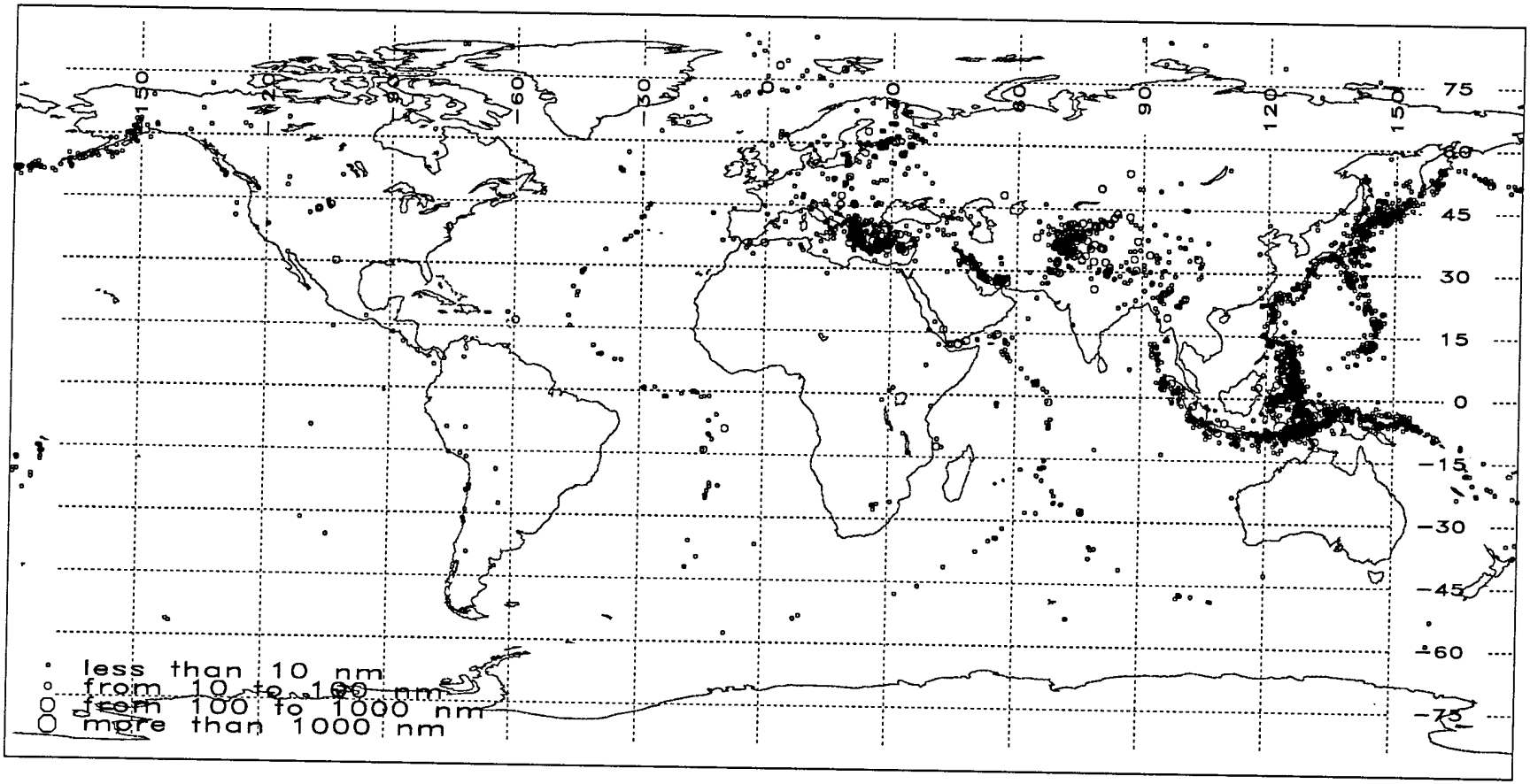
Events from global seismic catalogs, registered by the CSN with quality B



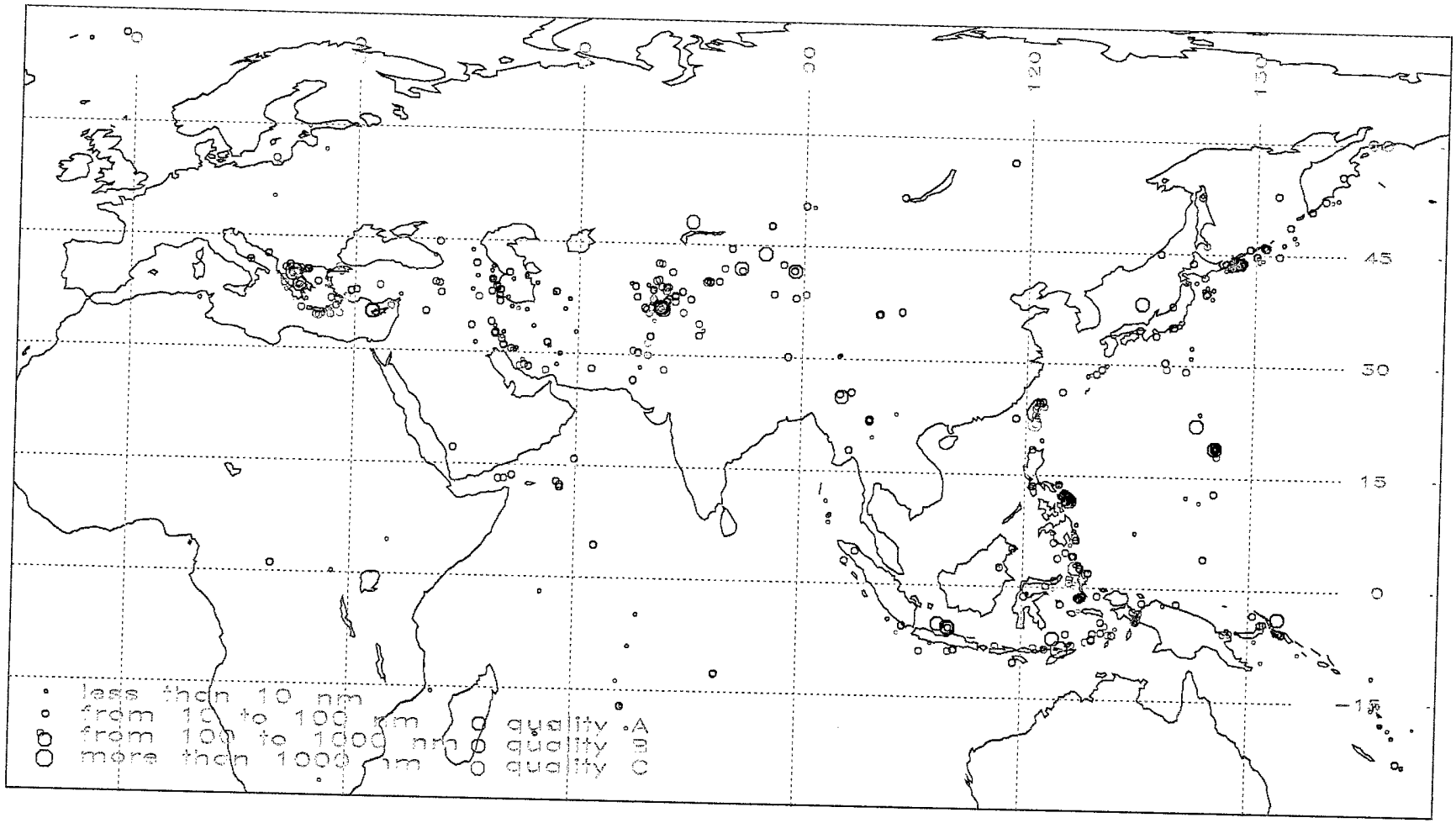
Events from global seismic catalogs, registered by the CSN with quality C



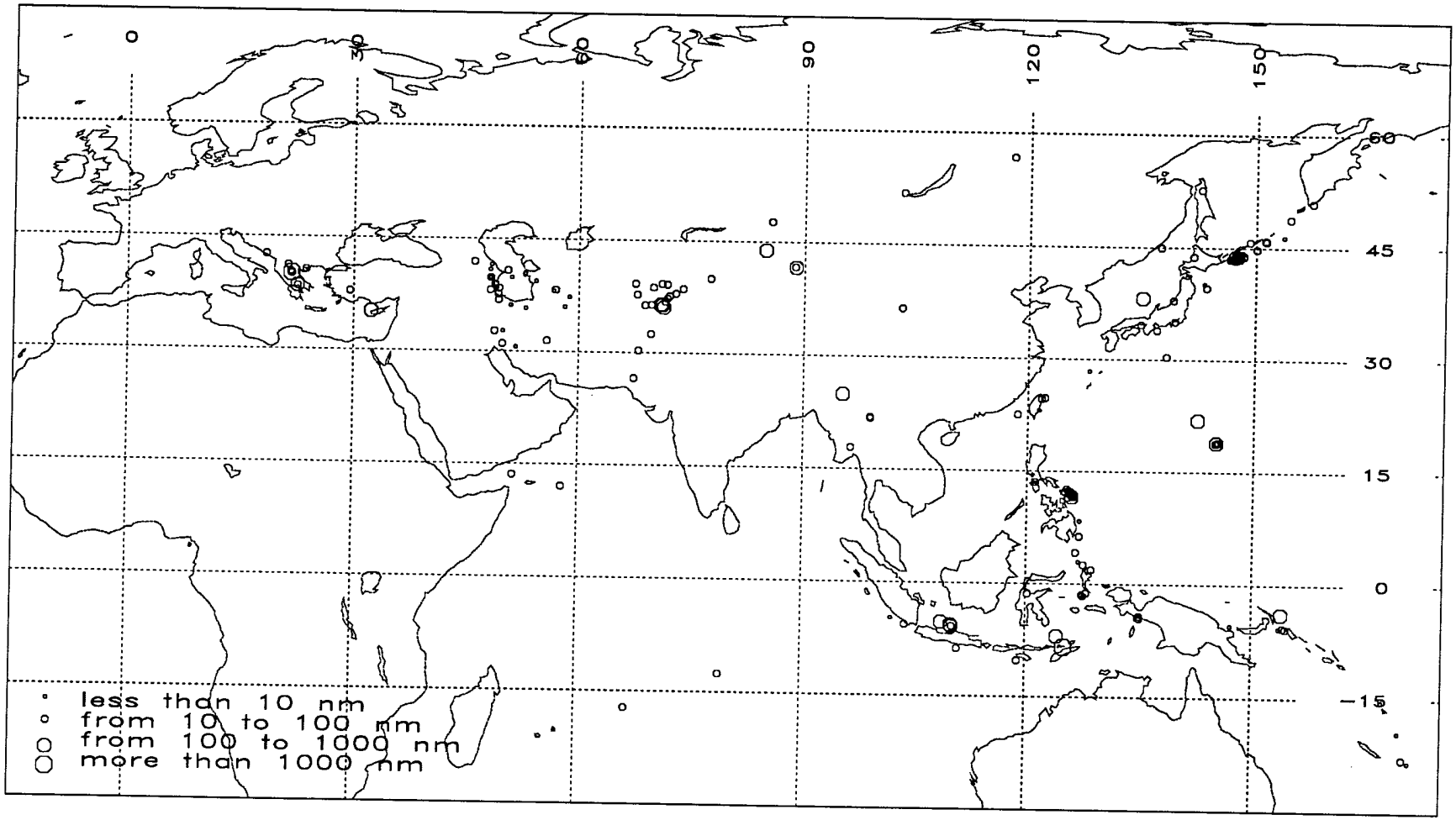
Events from global seismic catalogs, not registered by the CSN



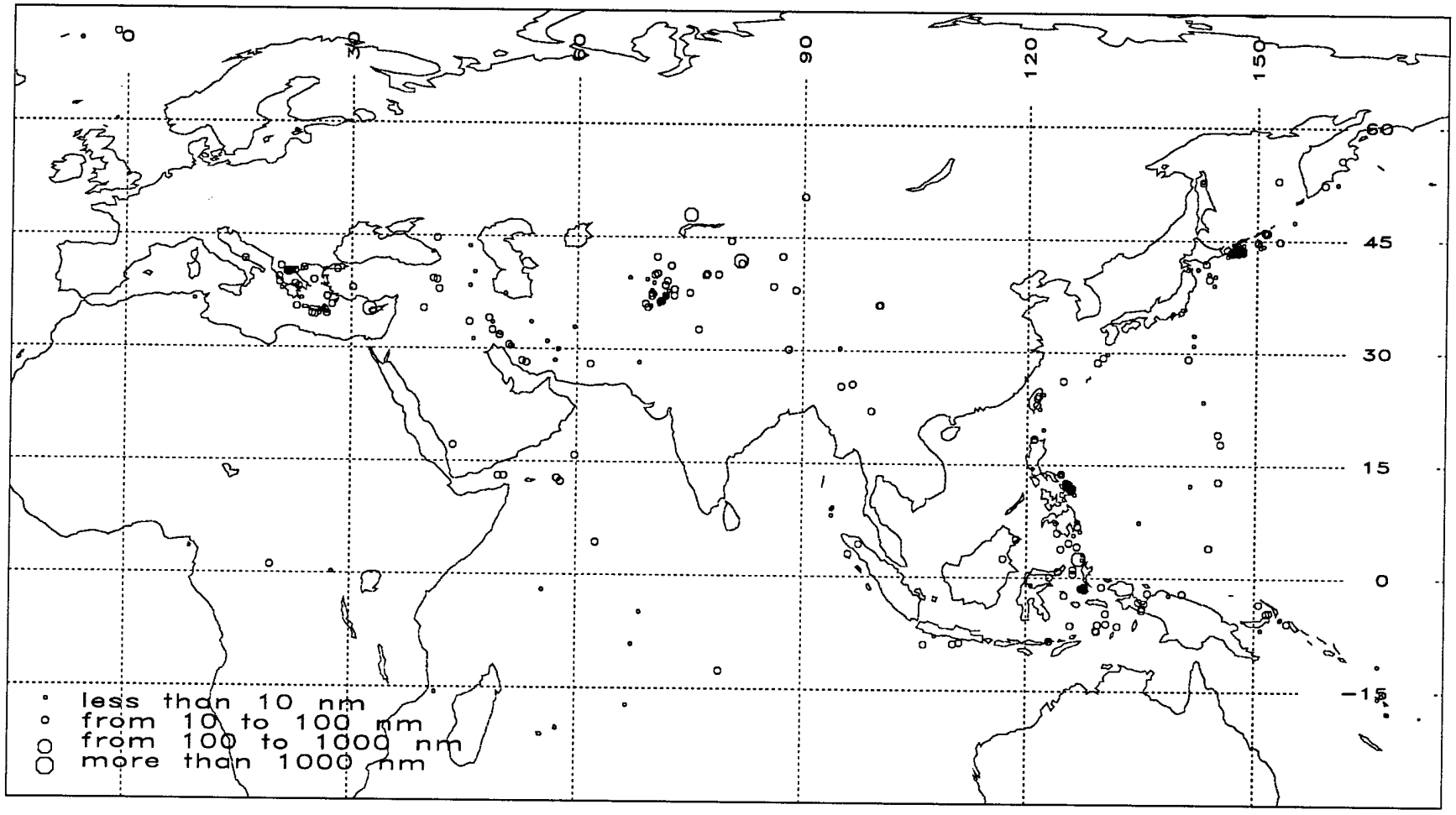
All events from global seismic catalogs, registered by the CSN



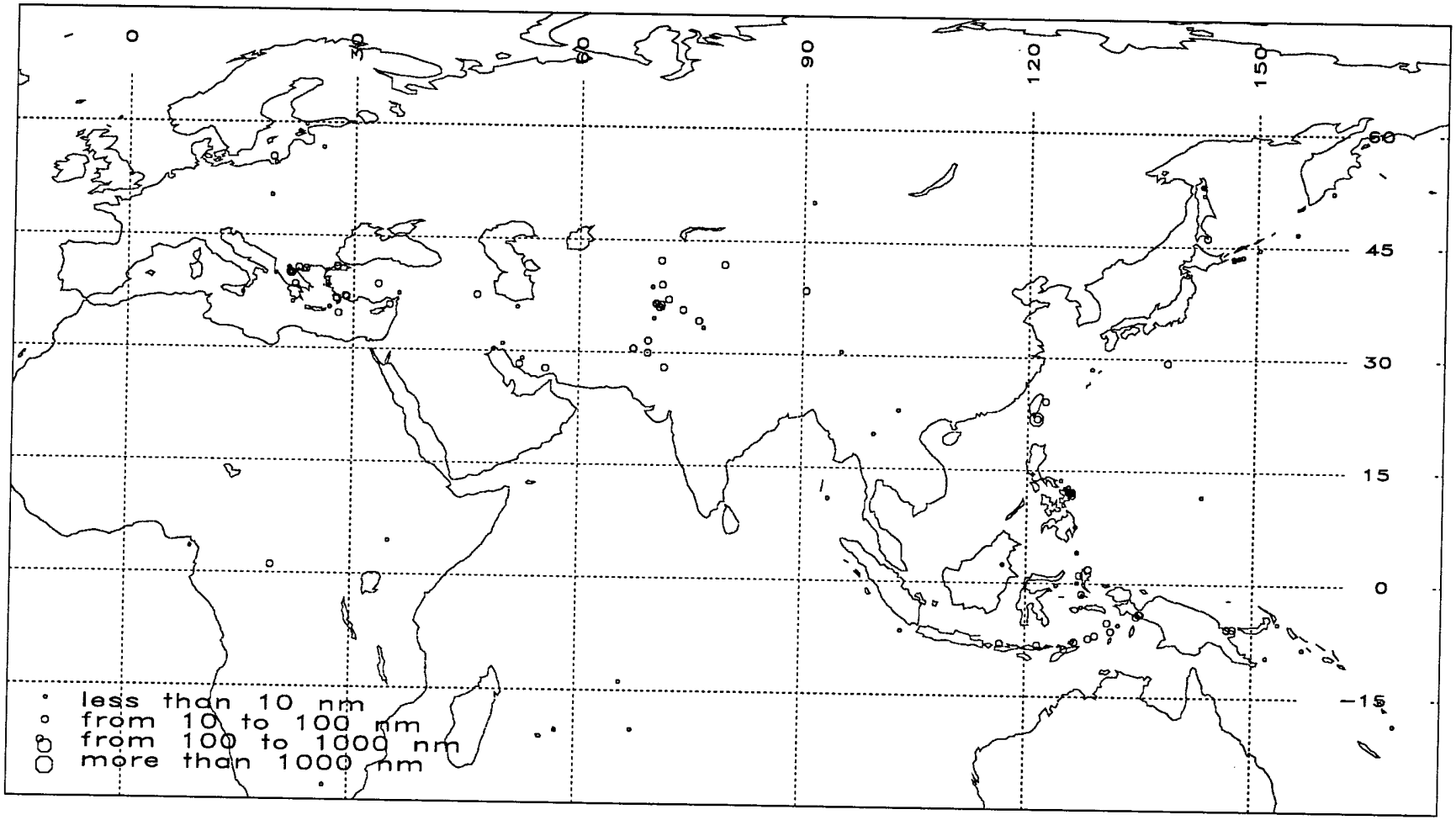
Events from global seismic catalogs, registered by the CSN with quality A



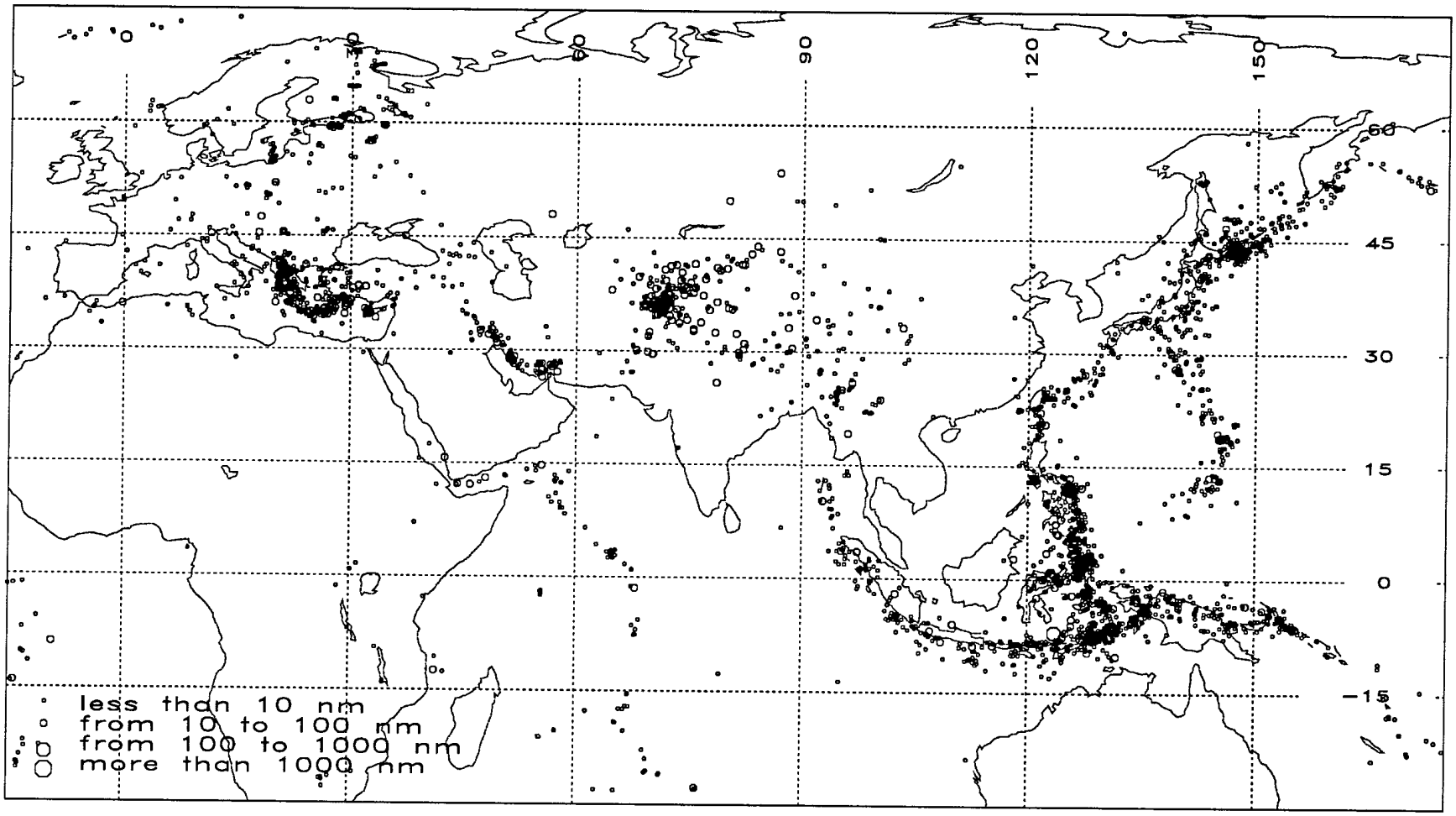
Events from global seismic catalogs, registered by the CSN with quality B



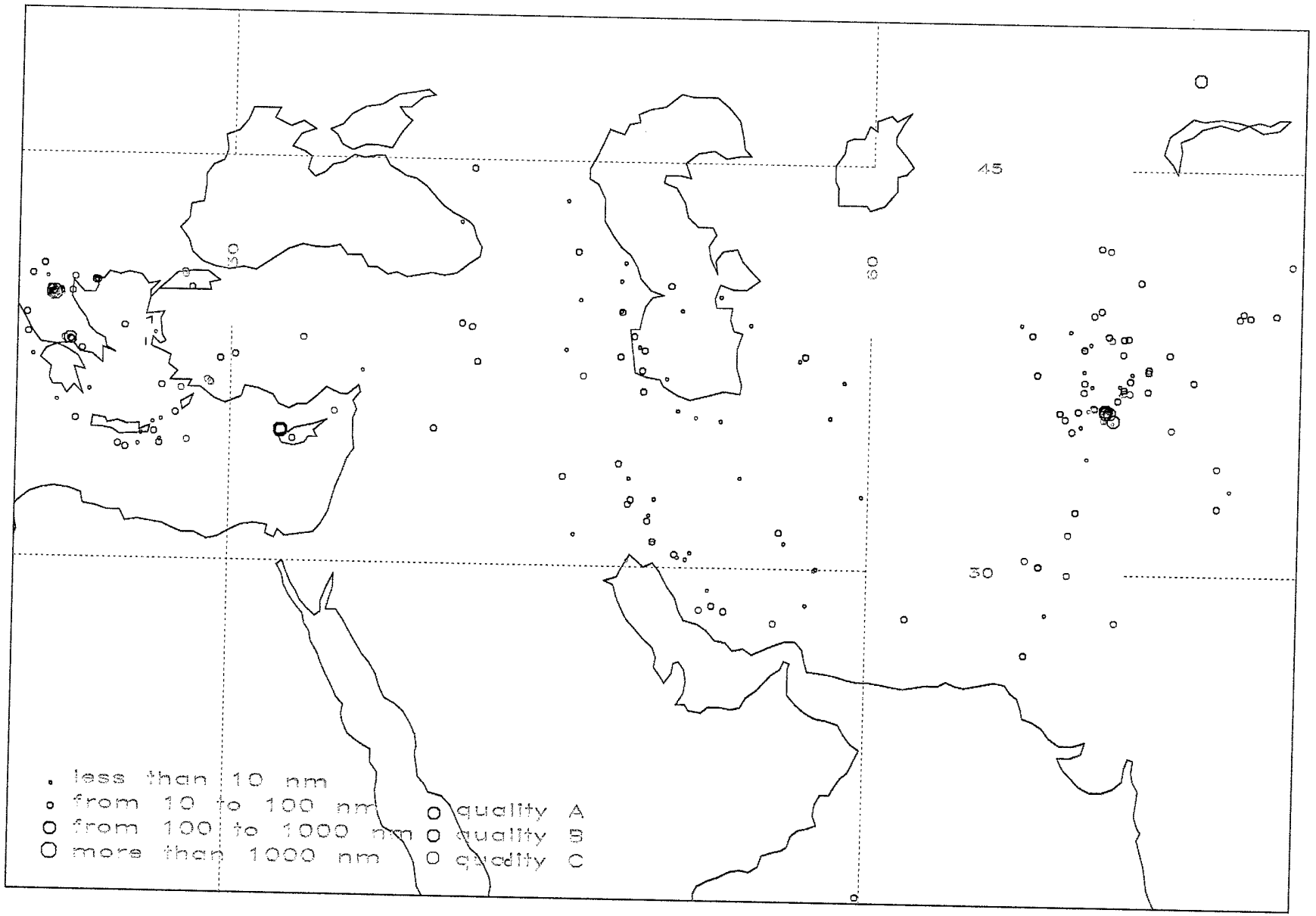
Events from global seismic catalogs, registered by the CSN with quality C



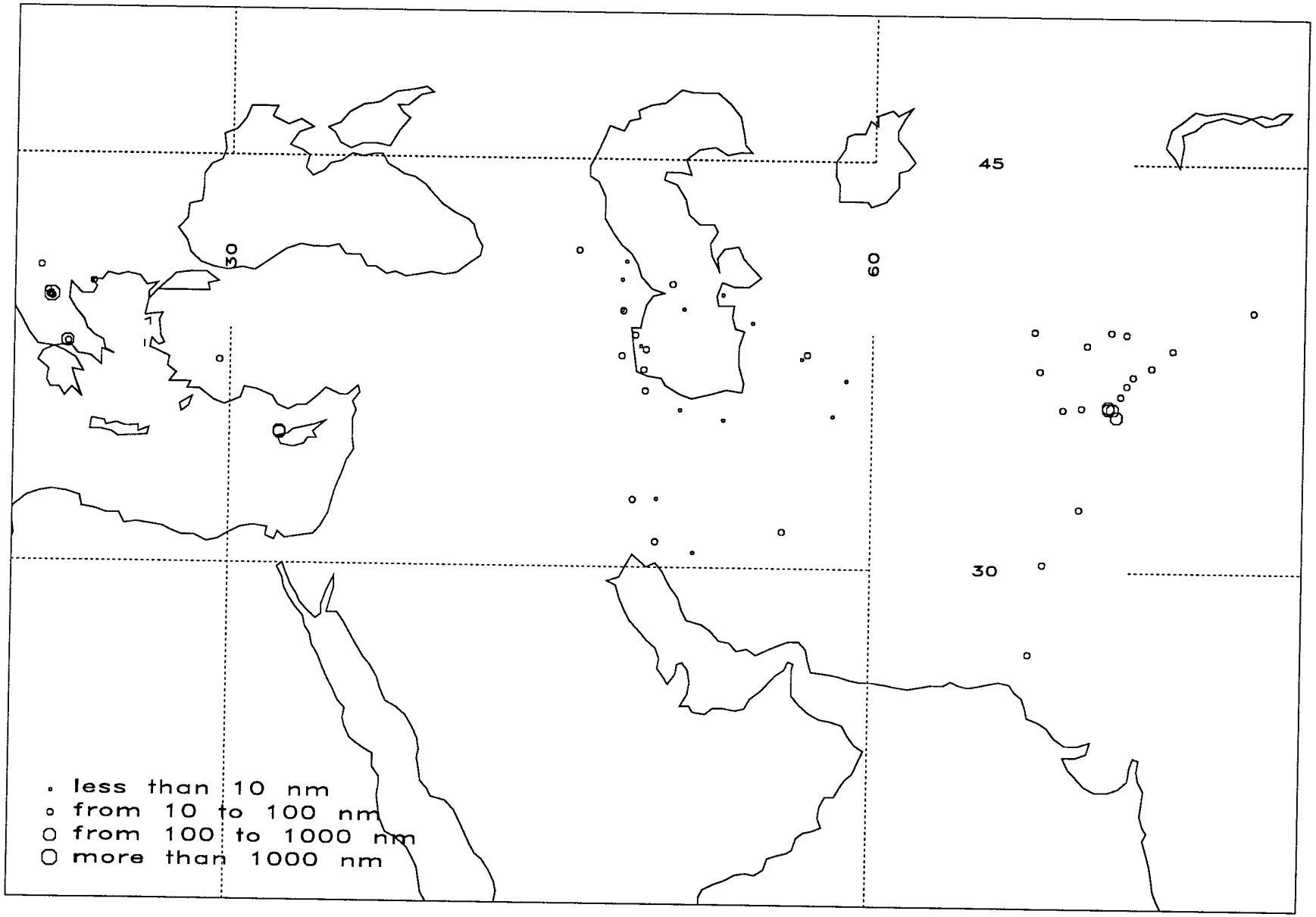
Events from global seismic catalogs, not registered by the CSN



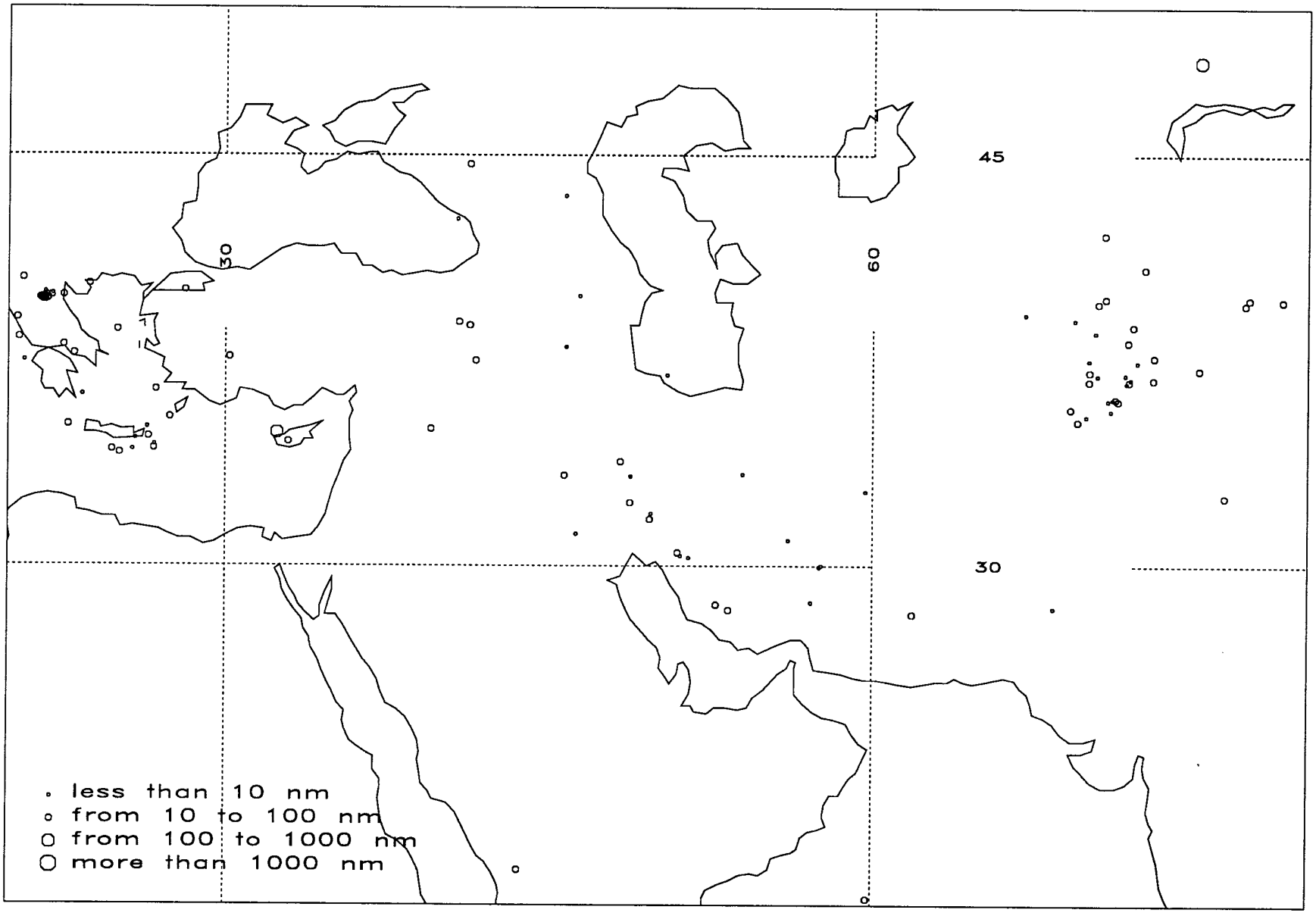
All events from global seismic catalogs, registered by the CSN



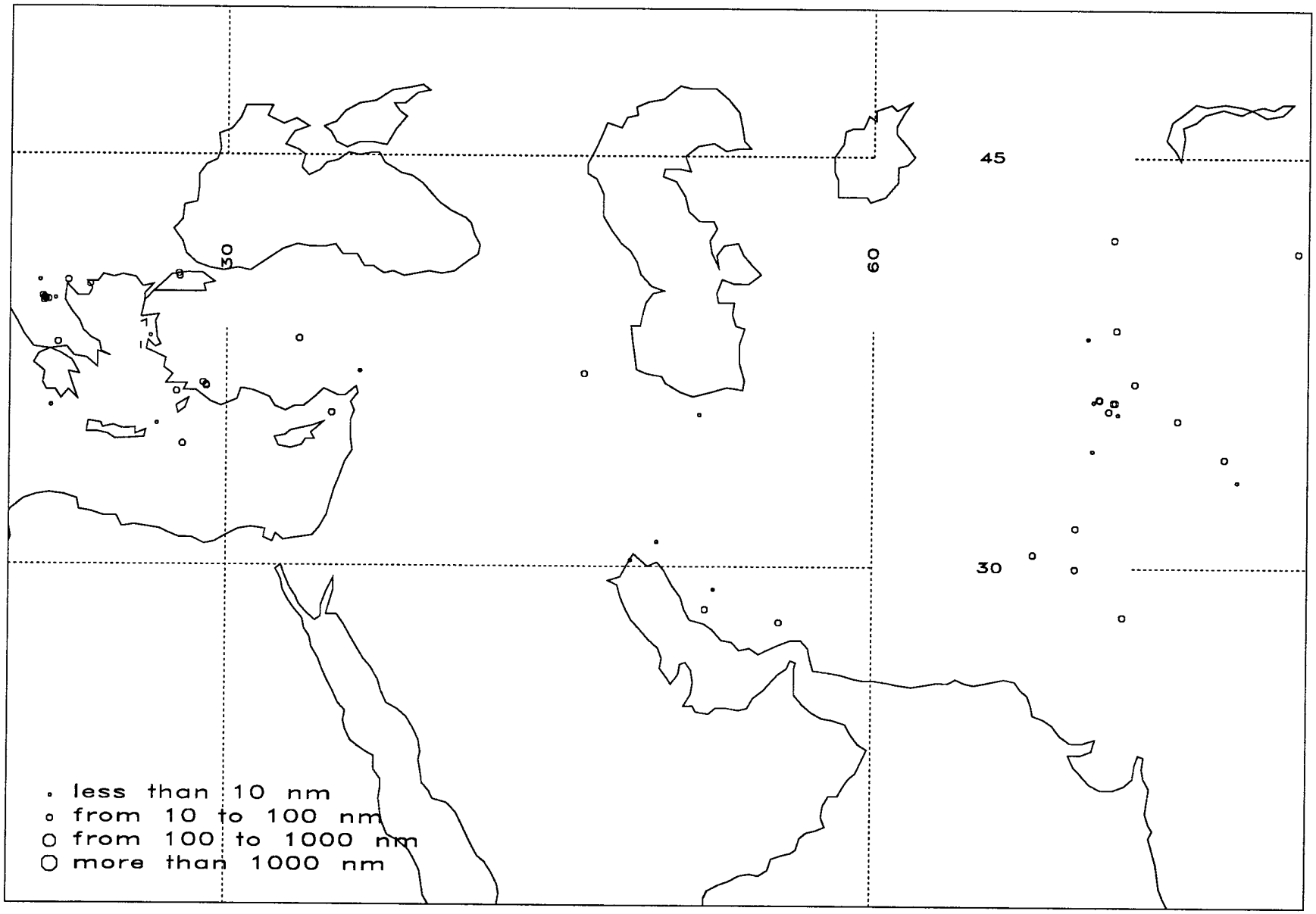
Events from global seismic catalogs, registered by the CSN with quality A



Events from global seismic catalogs, registered by the CSN with quality B



Events from global seismic catalogs, registered by the CSN with quality C



Events from global seismic catalogs, not registered by the CSN